

As of 10/7/2009

461 - Department of Ecology

A001 Adjudicate Water Rights

Statewide Result Area: Improve the quality of Washington's natural resources

Statewide Strategy: Achieve sustainable use of public natural resources

Expected Results

Increased water rights certainty and reduced conflict. Major uncertainty regarding the validity and extent of water rights in the Yakima Basin is removed.

Refer to narrative justification.

A002 Administration

Statewide Result Area: Improve the quality of Washington's natural resources

Statewide Strategy: Preserve, maintain and restore natural systems and landscapes

Expected Results

Agency managers, the Governor, the State Auditor, the Office of Financial Management (OFM), and the Legislature have confidence in Ecology's financial information and can use it to make decisions affecting the environment. The public is educated about Ecology's work and role in environmental protection and understands the policies the agency is developing and the opportunities available to influence its decisions. Washington's environmental laws and rules are improved through Ecology's relationships with legislators, local governments, businesses, Indian tribes, and environmental and citizen groups. Ecology managers and supervisors possess the highest-quality communication, performance management, hiring, and leadership skills. The Ecology work environment reflects the diversity of the community it serves. Agency staff receives reliable, secure, and high-quality desktop support and network services. Customers have easy access to information. Facilities and vehicles are well-maintained, safe and efficient.

Refer to narrative justification.

A003 Assess, Set, and Enhance Instream Flows

Statewide Result Area: Improve the quality of Washington's natural resources

Statewide Strategy: Preserve, maintain and restore natural systems and landscapes

Expected Results

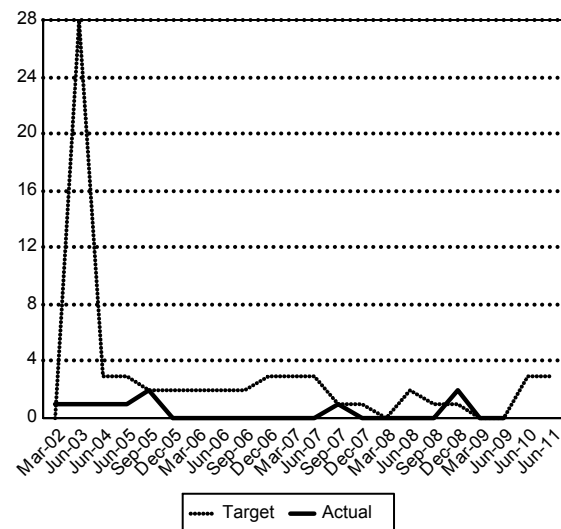
Water availability is determined and water is sustained for current and future needs. Increased setting and enhancement of instream flows in critical water basins to benefit people, fish, farming and the environment. Six instream flows are set (Walla Walla, Wenatchee, Lewis, Salmon-Washougal, Quilicine, Dungeness) working with local watershed groups and critical basins not engaged in watershed planning.

As of 10/7/2009

Number of instream flows set				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	3		
	4th Qtr	3		
2007-09	8th Qtr	0	0	0
	7th Qtr	0	0	0
	6th Qtr	1	2	1
	5th Qtr	1	0	(1)
	4th Qtr	2	0	(2)
	3rd Qtr	0	0	0
	2nd Qtr	1	0	(1)
	1st Qtr	1	1	0
2005-07	8th Qtr	3	0	(3)
	7th Qtr	3	0	(3)
	6th Qtr	3	0	(3)
	5th Qtr	2	0	(2)
	4th Qtr	2	0	(2)
	3rd Qtr	2	0	(2)
	2nd Qtr	2	0	(2)
	1st Qtr	2	2	0
<p><i>An instream flow is the volume of water in a stream at a specific time measured at a specific place set in a rule. Instream flow setting progress is dependent on working and negotiating with local watershed groups (and other factors), so we can only move at the speed they are willing to go. Our target numbers are based on estimates of how fast we think the work will progress.</i></p>				

Date Measured: 7/28/2009

Comment: No instream flow rules adopted this quarter.



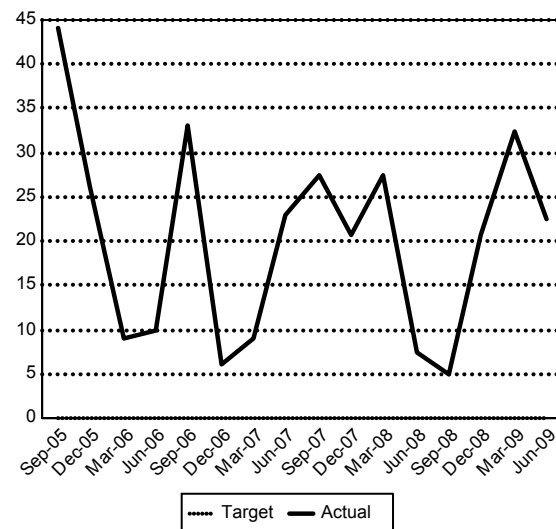
As of 10/7/2009

Percent of monitored stream flows BELOW critical flow levels.				
Biennium	Period	Target	Actual	Variance
2007-09	8th Qtr	0%	22.5%	22.5%
	7th Qtr	0%	32.5%	32.5%
	6th Qtr	0%	20.8%	20.8%
	5th Qtr	0%	5%	5%
	4th Qtr	0%	7.5%	7.5%
	3rd Qtr	0%	27.5%	27.5%
	2nd Qtr	0%	20.8%	20.8%
	1st Qtr	0%	27.5%	27.5%
2005-07	8th Qtr	0%	23%	23%
	7th Qtr	0%	9%	9%
	6th Qtr	0%	6%	6%
	5th Qtr	0%	33%	33%
	4th Qtr	0%	10%	10%
	3rd Qtr	0%	9%	9%
	2nd Qtr	0%	26%	26%
	1st Qtr	0%	44%	44%
Critical low flows are defined as the 20th percentile of historic flow for the measured date. The target is set at 0% because we do not want any stream flows below critical flow levels.				

Date Measured: 6/30/2009

Comment: Based on end-of month flows at 40 representative stations.

Refer to narrative justification.



As of 10/7/2009

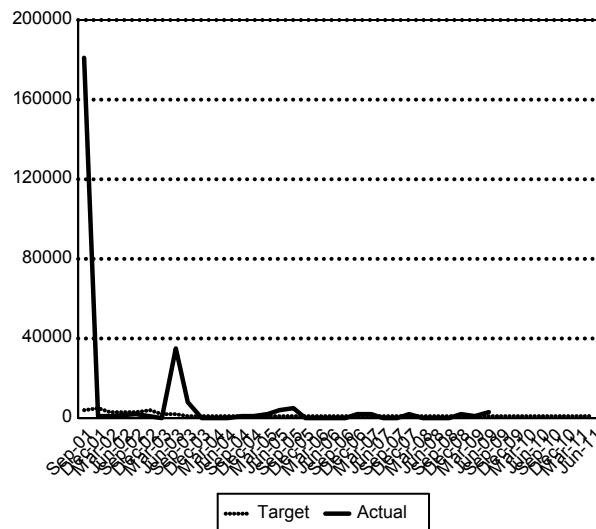
Volume of water saved for instream flow in acre feet				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	1,250		
	7th Qtr	1,250		
	6th Qtr	1,250		
	5th Qtr	1,250		
	4th Qtr	1,250		
	3rd Qtr	1,250		
	2nd Qtr	1,250		
	1st Qtr	1,250		
2007-09	8th Qtr	1,250	2,816.81	1,566.81
	7th Qtr	1,250	605.37	(644.63)
	6th Qtr	1,250	1,530	280
	5th Qtr	1,250	415	(835)
	4th Qtr	1,250	114.28	(1,135.72)
	3rd Qtr	1,250	51	(1,199)
	2nd Qtr	1,250	1,651	401
	1st Qtr	1,250	0	(1,250)
2005-07	8th Qtr	1,250	90.39	(1,159.61)
	7th Qtr	1,250	2,099.67	849.67
	6th Qtr	1,250	2,008.67	758.67
	5th Qtr	1,250	0	(1,250)
	4th Qtr	1,250	9.2	(1,240.8)
	3rd Qtr	1,250	152	(1,098)
	2nd Qtr	1,250	0	(1,250)
	1st Qtr	1,250	5,220	3,970

1 acre-foot of water is the amount of water to cover 1 acre with 1 foot of water.

Instream flow is volume of water in a stream at a specific time measured at a specific place set in rule. Amt saved depends on finding people willing to sell or lease water, donate water to the trust water program or implement water use efficiency measures. If people do not come forward or we can not find them, the volume acquired is small. Eastern WA water is split 1/3 each to instream flow, agriculture & municip.

Date Measured: 7/28/2009

Comment: 2,816.81 AAF for \$651,880-6 purchases & 1 lease. In WRIA 48-Methow, 342AF purchase for ECY share \$27,250; WRIA 39-Upper Yakima: 1 yr lease of 1,269AF irrigat & 258.5 AF ditch for ECY share \$24,937; 5 purchases for 919.71AF for ECY share of \$599,693.



A005 Clean up the Most Contaminated Sites First (Upland and Aquatic)

As of 10/7/2009

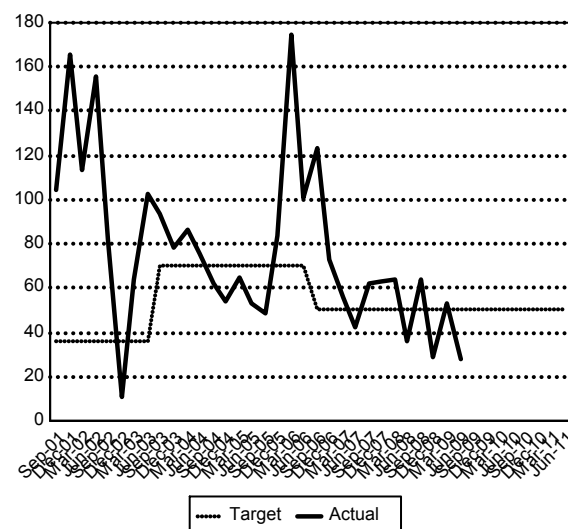
Statewide Result Area: Improve the quality of Washington's natural resources
Statewide Strategy: Preserve, maintain and restore natural systems and landscapes

Expected Results

The most highly contaminated sites are cleaned up. Public and environmental health is protected. Cleaned sites are ready for redevelopment and job creation. The number of cleaned up sites will increase by 3 percent. The number of sites with cleanup actions in progress will increase.

Number of known toxics-contaminated sites with cleanup actions completed.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	50		
	7th Qtr	50		
	6th Qtr	50		
	5th Qtr	50		
	4th Qtr	50		
	3rd Qtr	50		
	2nd Qtr	50		
	1st Qtr	50		
2007-09	8th Qtr	50	28	(22)
	7th Qtr	50	53	3
	6th Qtr	50	29	(21)
	5th Qtr	50	64	14
	4th Qtr	50	36	(14)
	3rd Qtr	50	64	14
	2nd Qtr	50	63	13
	1st Qtr	50	62	12
2005-07	8th Qtr	50	42	(8)
	7th Qtr	50	56	6
	6th Qtr	50	73	23
	5th Qtr	50	123	73
	4th Qtr	70	101	31
	3rd Qtr	70	175	105
	2nd Qtr	70	84	14
	1st Qtr	70	49	(21)
Baseline is 50 per quarter or 200 per year statewide.				
Target was 36 per quarter until 2003. The target was raised to 70 due to the increased use of the voluntary cleanup program and to more accurately reflect the current numbers. The target has been changed to 50 to reflect the expected continued completions of cleaned up sites in the next biennium.				

Date Measured: 7/22/2009



As of 10/7/2009

Refer to narrative justification.

A006 Clean Up Polluted Waters

Statewide Result Area: Improve the quality of Washington's natural resources
Statewide Strategy: Preserve, maintain and restore natural systems and landscapes

Expected Results

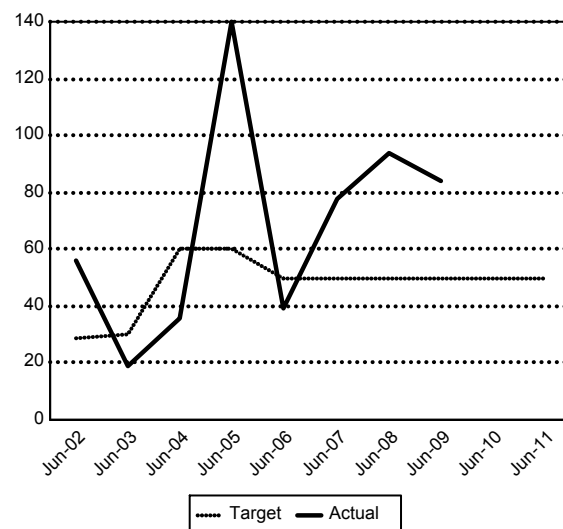
Water quality improvement reports are in place to protect public health and the environment. 1,500 contaminated water body segments are managed on 650 water bodies (Washington's legal commitments specified in a Memorandum of Agreement prompted by a lawsuit). Sixty water improvement reports and associated technical reports are submitted each year to the Environmental Protection Agency. Local communities get help implementing water quality improvement reports. An updated list of water bodies failing to meet water quality standards is developed.

Number of water quality cleanup plans submitted to the US Environmental Protection Agency				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	50		
	4th Qtr	50		
2007-09	8th Qtr	50	84	34
	4th Qtr	50	94	44
2005-07	8th Qtr	50	78	28
	4th Qtr	50	39	(11)

The goal is for Ecology to submit 50 per year, based on a commitment to the U.S. Environmental Protection Agency.

Date Measured: 6/30/2009

Refer to narrative justification.



A007 Conduct Environmental Studies for Pollution Source Identification and Control

Statewide Result Area: Improve the quality of Washington's natural resources
Statewide Strategy: Provide good science and natural resource monitoring data to support decision-making

Expected Results

As of 10/7/2009

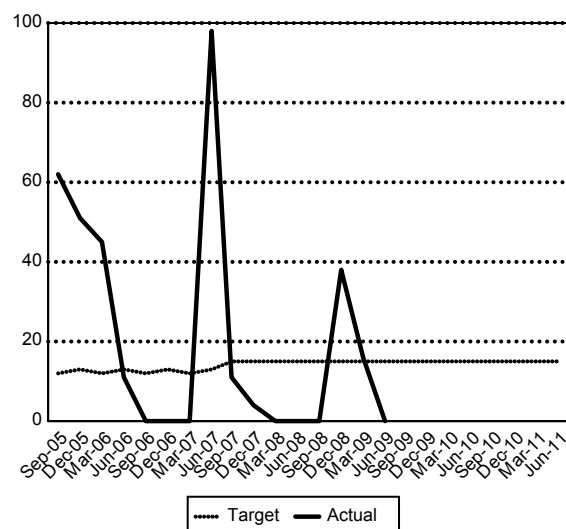
Scientific studies are conducted to assess pollution sources and environmental health. Resource managers have credible scientific information to inform decisions on pollution controls needed to protect environmental and public health. All study reports are peer reviewed, completed on schedule, and posted to the Internet.

Number of polluted waterbody segments and parameters evaluated in water quality improvement reports.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	15		
	7th Qtr	15		
	6th Qtr	15		
	5th Qtr	15		
	4th Qtr	15		
	3rd Qtr	15		
	2nd Qtr	15		
	1st Qtr	15		
2007-09	8th Qtr	15	0	(15)
	7th Qtr	15	16	1
	6th Qtr	15	38	23
	5th Qtr	15	0	(15)
	4th Qtr	15	0	(15)
	3rd Qtr	15	0	(15)
	2nd Qtr	15	4	(11)
	1st Qtr	15	11	(4)
2005-07	8th Qtr	13	98	85
	7th Qtr	12	0	(12)
	6th Qtr	13	0	(13)
	5th Qtr	12	0	(12)
	4th Qtr	13	11	(2)
	3rd Qtr	12	45	33
	2nd Qtr	13	51	38
	1st Qtr	12	62	50
<i>Waterbody segments are defined in Ecology's Water Quality Program Policy 1-11. Segments are essentially the portion of a stream lying within a section of a township and range. When a segment is evaluated for more than one parameter (e.g. dissolved oxygen and temperature), both are counted for the given segment (i.e. the count = 2). We target 60 segments/parameters to be evaluated annually to be consistent with Water Quality Program's measure #A006.</i>				

Date Measured: 6/30/2009

Comment: No TMDLs were completed this quarter

Refer to narrative justification.



As of 10/7/2009

A008 Control Stormwater Pollution

Statewide Result Area: Improve the quality of Washington's natural resources

Statewide Strategy: Establish safeguards and standards to protect natural resources

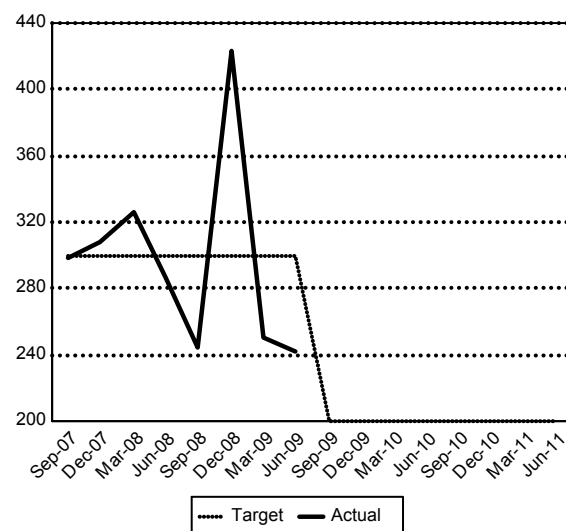
Expected Results

Reduced contamination of streams, rivers, estuaries, lakes, and groundwater due to stormwater runoff from roads and other impervious surfaces. 3,000 construction and industrial stormwater dischargers that require permits are managed. New permit applicants get a response within 60 days of application receipt. 120 municipal stormwater permits are managed. Permittees get web-based information and support for low-impact development, emerging treatment technologies, and permit technical assistance.

Number of construction stormwater inspections per year.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	200		
	7th Qtr	200		
	6th Qtr	200		
	5th Qtr	200		
	4th Qtr	200		
	3rd Qtr	200		
	2nd Qtr	200		
	1st Qtr	200		
2007-09	8th Qtr	300	242	(58)
	7th Qtr	300	251	(49)
	6th Qtr	300	423	123
	5th Qtr	300	245	(55)
	4th Qtr	300	286	(14)
	3rd Qtr	300	326	26
	2nd Qtr	300	308	8
	1st Qtr	300	298	(2)
Target is based on 100 inspections per FTE per year.				
Target reduced in FY09-FY11 due to staff reductions.				

Date Measured: 6/30/2009

Comment: 234 facilities inspected

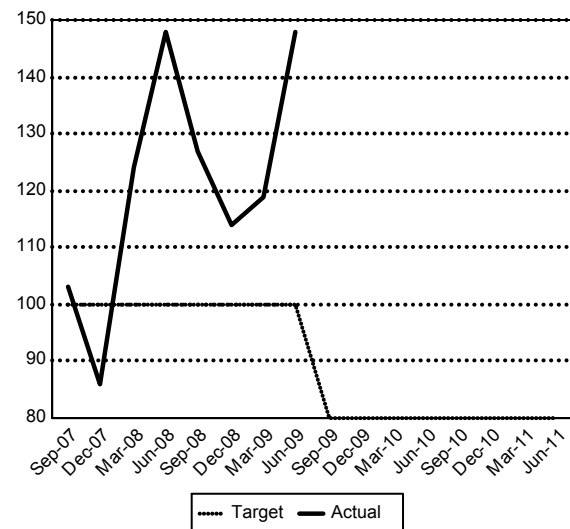


As of 10/7/2009

Number of industrial stormwater inspections				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	80		
	7th Qtr	80		
	6th Qtr	80		
	5th Qtr	80		
	4th Qtr	80		
	3rd Qtr	80		
	2nd Qtr	80		
	1st Qtr	80		
2007-09	8th Qtr	100	148	48
	7th Qtr	100	119	19
	6th Qtr	100	114	14
	5th Qtr	100	127	27
	4th Qtr	100	148	48
	3rd Qtr	100	124	24
	2nd Qtr	100	86	(14)
	1st Qtr	100	103	3
<i>Target of 400 inspections per year is based on workload expectations per inspector. FY09-11 targets of 320 inspections per year anticipates 20% fewer inspectors.</i>				

Date Measured: 6/30/2009

Refer to narrative justification.



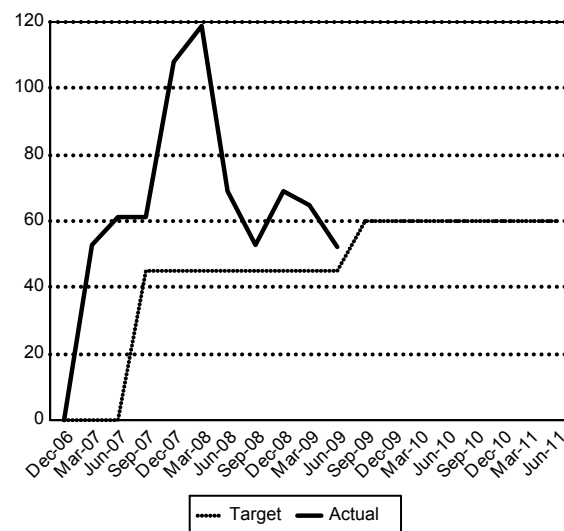
As of 10/7/2009

The mean number of days it takes to make final decisions on construction stormwater permits.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	60		
	7th Qtr	60		
	6th Qtr	60		
	5th Qtr	60		
	4th Qtr	60		
	3rd Qtr	60		
	2nd Qtr	60		
	1st Qtr	60		
2007-09	8th Qtr	45	52.41	7.41
	7th Qtr	45	64.98	19.98
	6th Qtr	45	68.75	23.75
	5th Qtr	45	52.65	7.65
	4th Qtr	45	69.03	24.03
	3rd Qtr	45	119	74
	2nd Qtr	45	108.23	63.23
	1st Qtr	45	61.38	16.38
2005-07	8th Qtr	0	61	61
	7th Qtr	0	53	53
	6th Qtr	0	0	0

The current measure is the mean number of days from date application received to date permit coverage issued, including a minimum of 37 days for public review. For FY10, the program will return to the FY06 target of 60 days.

Date Measured: 6/30/2009

Comment: Data based on 230 decisions



A009 Eliminate Waste and Promote Material Reuse

Statewide Result Area: Improve the quality of Washington's natural resources

Statewide Strategy: Establish safeguards and standards to protect natural resources

Expected Results

Solid waste generation per capita decrease, saving businesses and people money and saving resources for future generations.

* Increased recovery and use of valuable materials from wastes.

* Increased reuse of construction and demolition materials, organic matter, compost, and biosolids.

* Decreased amount of wastes disposed of at waste disposal facilities.

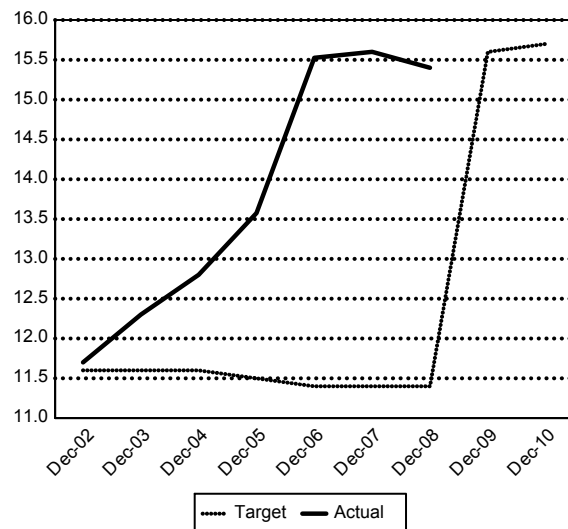
As of 10/7/2009

Million of tons of solid waste generated annually in Washington.				
Biennium	Period	Target	Actual	Variance
2009-11	6th Qtr	15.7		
	2nd Qtr	15.6		
2007-09	6th Qtr	11.4	15.4	4
	2nd Qtr	11.4	15.6	4.2
2005-07	6th Qtr	11.4	15.52	4.12
	2nd Qtr	11.5	13.57	2.07

Waste generated is the sum of residential and commercial materials that are disposed, recycled or reused. Reported data is for previous calendar year.

Date Measured: 1/21/2009

Comment: For calendar year 2007.

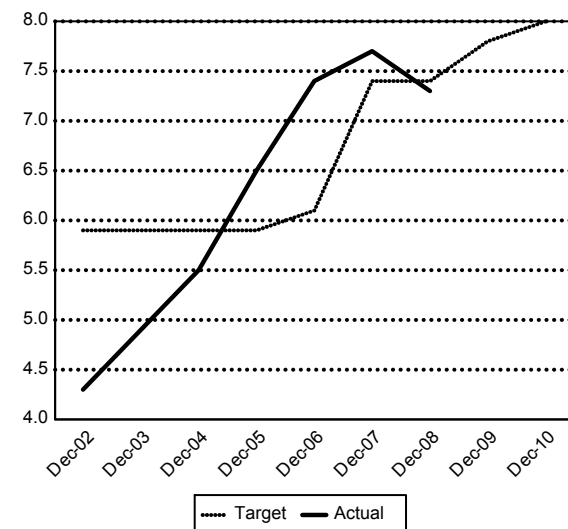


Millions of tons of materials reused or recycled annually.				
Biennium	Period	Target	Actual	Variance
2009-11	6th Qtr	8		
	2nd Qtr	7.8		
2007-09	6th Qtr	7.4	7.3	(0.1)
	2nd Qtr	7.4	7.7	0.3
2005-07	6th Qtr	6.1	7.4	1.3
	2nd Qtr	5.9	6.5	0.6

Amount of known materials diverted from landfills for reuse or recycling. Reported data is for previous calendar year.

Date Measured: 1/21/2009

Comment: For calendar year 2007.



As of 10/7/2009

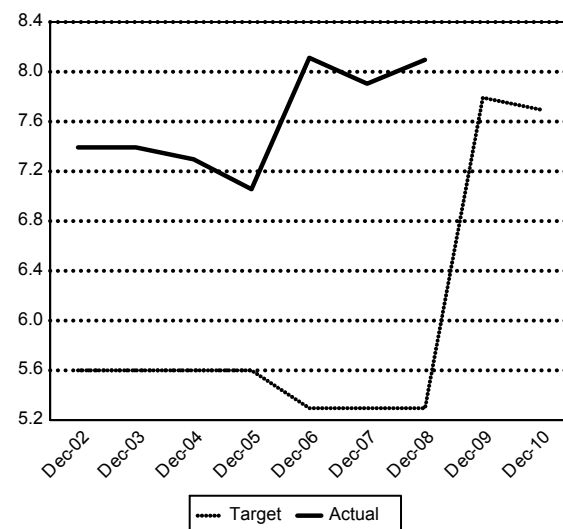
Millions of tons of solid waste disposed annually by Washington residents and businesses.				
Biennium	Period	Target	Actual	Variance
2009-11	6th Qtr	7.7		
	2nd Qtr	7.8		
2007-09	6th Qtr	5.3	8.1	2.8
	2nd Qtr	5.3	7.9	2.6
2005-07	6th Qtr	5.3	8.12	2.82
	2nd Qtr	5.6	7.06	1.46

Amount of residential and commercial solid waste disposed of in landfills. Reported data is for previous calendar year.

Date Measured: 1/21/2009

Comment: For calendar year 2007.

Refer to narrative justification.



A010 Prevent and Pick Up Litter

Statewide Result Area: Improve the quality of Washington's natural resources

Statewide Strategy: Preserve, maintain and restore natural systems and landscapes

Expected Results

Roads are cleaner, indicated by a Road Cleanliness Indicator, through prevention campaigns and litter being picked up in a timely manner. 4,750 tons of litter is picked up with local partners. 450 youth are employed in litter pick-up. 25,000 litter hotline calls are responded to. Litter citations by the State Patrol are decreased by 5 percent. Litter survey is suspended. \$2.6 million in grants is provided to local governments to clean up litter and illegal dumps. Litter is picked up on over 55,000 miles of roads.

As of 10/7/2009

Pounds of litter picked up annually.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	4,750,000		
	4th Qtr	4,750,000		
2007-09	8th Qtr	6,000,000	5,075,450	(924,550)
	4th Qtr	6,600,000	6,289,791	(310,209)
2005-07	8th Qtr	8,600,000	6,540,443	(2,059,557)
	4th Qtr	8,300,000	5,914,659	(2,385,341)

Combined litter pick-up from state and local agencies. Data is for previous calendar year. Funding reductions will likely reduce litter pickup efforts in the FY 09/11 biennium.

Comment: For calendar year 2008. Decline was likely due to fewer illegal dumps being cleaned up and reduced resources.

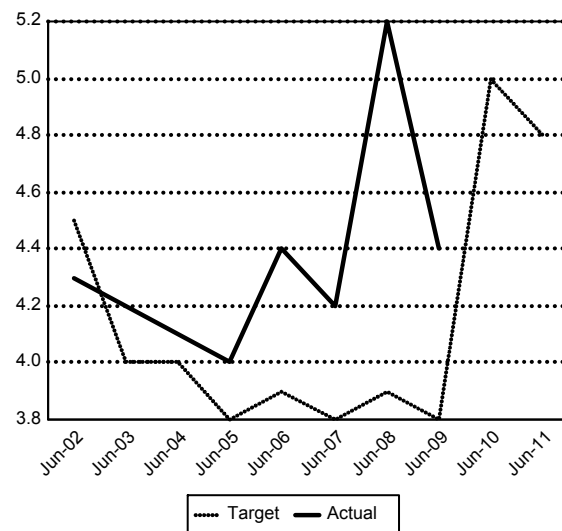
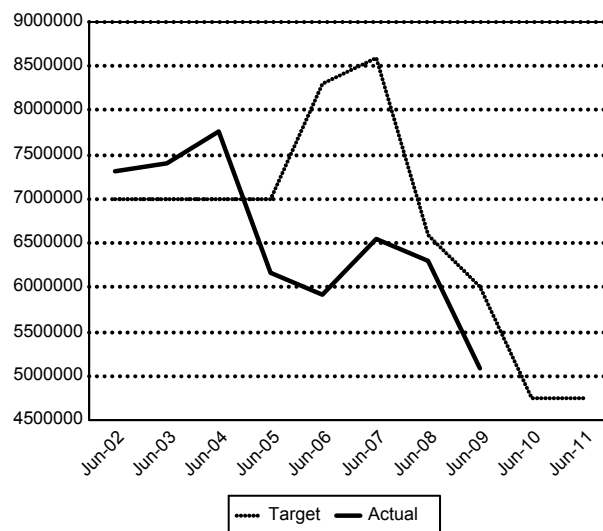
Refer to narrative justification.

Road cleanliness rating (1=cleanest:6=very littered)				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	4.8		
	4th Qtr	5		
2007-09	8th Qtr	3.8	4.4	0.6
	4th Qtr	3.9	5.2	1.3
2005-07	8th Qtr	3.8	4.2	0.4
	4th Qtr	3.9	4.4	0.5

WSDOT significantly changed the way this number is calculated for 2007 and it was not comparable to previous numbers. 2008 methodology more comparable.

Date Measured: 7/16/2009

Comment: Calendar year 2008. Methodology more comparable to past years.



As of 10/7/2009

Statewide Result Area: Improve the safety of people and property**Statewide Strategy:** Prevent accidents**Expected Results**

Public and environmental health and safety is protected. Reduced risk of potentially catastrophic dam failures for the safety of people and property located below dams.

Number of high hazard dams inspected				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	29		
	4th Qtr	29		
2007-09	8th Qtr	29	5	(24)
	7th Qtr	0	0	0
	6th Qtr	0	30	30
	5th Qtr	0	23	23
	4th Qtr	29	20	(9)
2005-07	8th Qtr	28	24	(4)
	4th Qtr	28	32	4

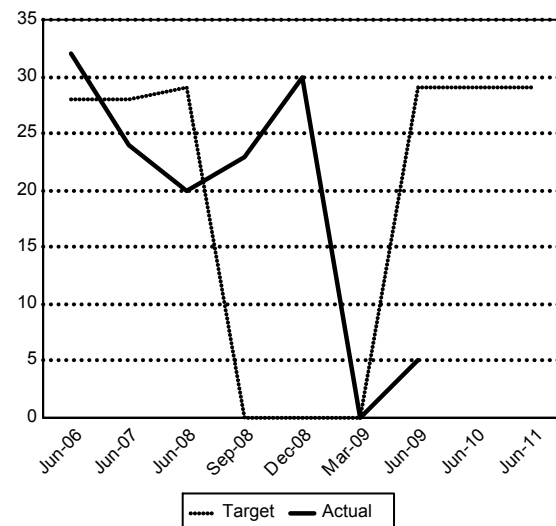
High hazard dams have 3 or more residences downstream that would be flooded if the dam failed.

Annual reporting as reporting changed from quarterly to annual during third quarter of FY08; previously published actuals are included in 4th quarter actual figure. We inspect the 144 high hazard dams on a 5 year cycle, but we are expecting that number to rise as we identify previously unpermitted dams. In our routine work, we noticed dams not in our inventory. We are assessing which of those dam

Date Measured: 7/28/2009

Comment: Lk Chaplain N & S (WRIA 7) & Lk Youngs New Inlet, Outlet, & Cascades Dams (WRIA 9).

Refer to narrative justification.

**A012 Ensure Environmental Laboratories Provide Quality Data****Statewide Result Area:** Improve the quality of Washington's natural resources**Statewide Strategy:** Provide good science and natural resource monitoring data to support decision-making**Expected Results**

As of 10/7/2009

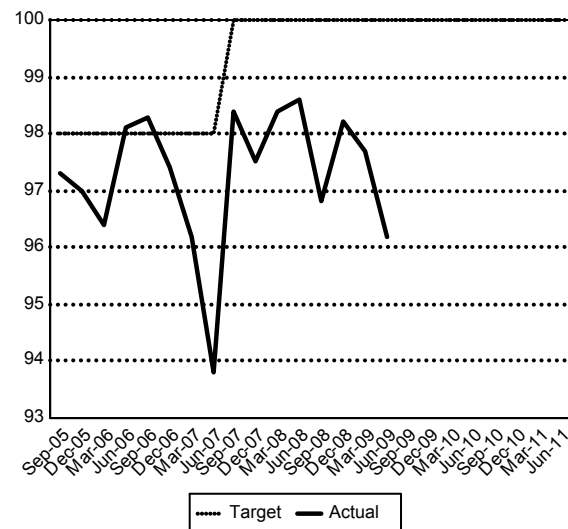
Environmental laboratories submitting data to the Departments of Ecology and Health have the demonstrated ability to provide accurate and defensible data. Over 480 environmental laboratories in 29 states and three provinces, including 92 drinking water laboratories, are evaluated and accredited. Performance testing analyses for major permitted wastewater discharge laboratories are evaluated. Regulated laboratories maintain successful quality programs. Environmental and public health decisions are based on accurate and defensible scientific data.

Percent of acceptable proficiency testing analyses completed by a subset of accredited permittee laboratories (of ~480 labs in the program)				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	100%		
	7th Qtr	100%		
	6th Qtr	100%		
	5th Qtr	100%		
	4th Qtr	100%		
	3rd Qtr	100%		
	2nd Qtr	100%		
	1st Qtr	100%		
2007-09	8th Qtr	100%	96.2%	(3.8)%
	7th Qtr	100%	97.7%	(2.3)%
	6th Qtr	100%	98.2%	(1.8)%
	5th Qtr	100%	96.8%	(3.2)%
	4th Qtr	100%	98.6%	(1.4)%
	3rd Qtr	100%	98.4%	(1.6)%
	2nd Qtr	100%	97.5%	(2.5)%
	1st Qtr	100%	98.4%	(1.6)%
2005-07	8th Qtr	98%	93.8%	(4.2)%
	7th Qtr	98%	96.2%	(1.8)%
	6th Qtr	98%	97.4%	(0.6)%
	5th Qtr	98%	98.3%	0.3%
	4th Qtr	98%	98.1%	0.1%
	3rd Qtr	98%	96.4%	(1.6)%
	2nd Qtr	98%	97%	(1)%
	1st Qtr	98%	97.3%	(0.7)%
Standardized unknown samples analyzed at accredited commercial and public environmental laboratories to test for accuracy of analysis. Ideally these proficiency testing results would be 100% accurate.				

Date Measured: 6/30/2009

Comment: Based on results from 69 labs.

Refer to narrative justification.



As of 10/7/2009

A013 Fund Local Efforts to Clean Up Toxic Sites and Manage or Reduce Waste

Statewide Result Area: Improve the quality of Washington's natural resources

Statewide Strategy: Preserve, maintain and restore natural systems and landscapes

Expected Results

Over \$139 million in capital funding grants to local governments and non-profits is provided and managed through Coordination Prevention Grants, Remedial Action Grants, and Public Participation Grants, leveraging over \$50 million in local government resources. Technical assistance on landfill regulations and moderate risk waste is provided through more than 500 agreements with local governments and non-profits. Over 30 million pounds of moderate risk waste is collected each biennium for proper recycling or disposal at moderate risk waste collection facilities funded through Coordinated Prevention Grants. Grant funds provided to local jurisdictional health departments is managed to ensure that approximately 700 solid waste facilities statewide comply with regulatory standards. Funding for toxic sites and drinking water system cleanup is provided and managed. Citizens have access and information related to cleanup of contaminated sites.

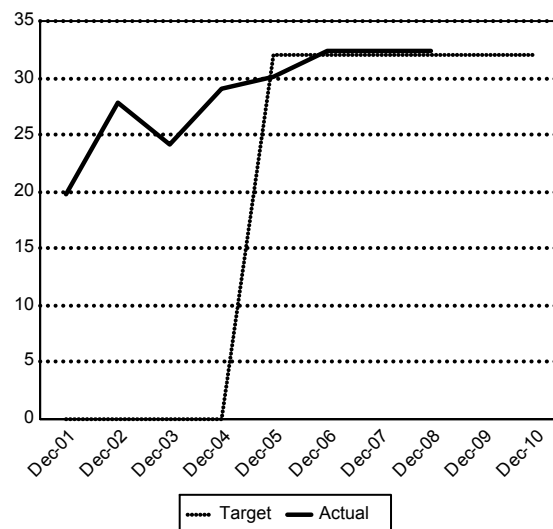
Million pounds of household and small quantity generator hazardous wastes that are recycled or properly disposed.				
Biennium	Period	Target	Actual	Variance
2009-11	6th Qtr	32		
	2nd Qtr	32		
2007-09	6th Qtr	32	32.3	0.3
	2nd Qtr	32	32.3	0.3
2005-07	6th Qtr	32	32.3	0.3
	2nd Qtr	32	30.1	(1.9)

Local governments are granted funds and some use their own funds to implement local hazardous waste management plans that target households and non-regulated small businesses that generate hazardous wastes. This measure includes used oil. The data reported is for the previous calendar year.

Date Measured: 1/21/2009

Comment: Calendar Year 2007

Refer to narrative justification.



A014 Restore the Air, Soil, and Water Contaminated from Past Activities at Hanford

Statewide Result Area: Improve the quality of Washington's natural resources

As of 10/7/2009

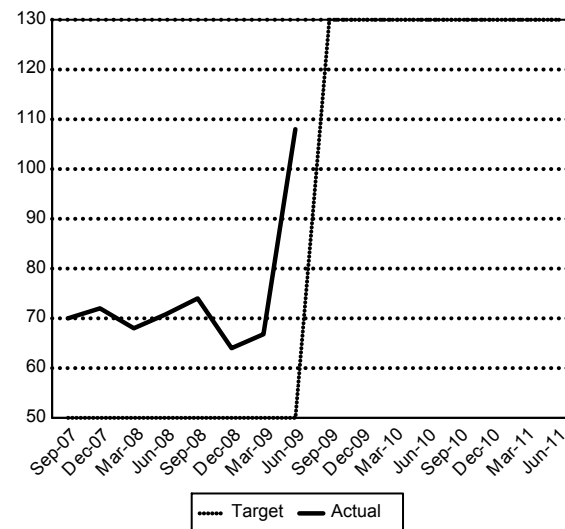
Statewide Strategy: Preserve, maintain and restore natural systems and landscapes**Expected Results**

Public use of the air, soil, and water at Hanford will be restored. Human and environmental risks associated with past Hanford activities are removed or reduced. By 2009, 15 percent of the hexavalent chromium present in the groundwater plume in the Hanford Site 100 Area will be remediated before it reaches the Columbia River.

Continued cleanup of contaminated waste sites adjacent to the Columbia River.

Gallons of groundwater contaminated by hexavalent chromium that is remediated at Hanford (in millions of gallons)				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	130		
	7th Qtr	130		
	6th Qtr	130		
	5th Qtr	130		
	4th Qtr	130		
	3rd Qtr	130		
	2nd Qtr	130		
	1st Qtr	130		
2007-09	8th Qtr	50	108	58
	7th Qtr	50	67	17
	6th Qtr	50	64	14
	5th Qtr	50	74	24
	4th Qtr	50	71	21
	3rd Qtr	50	68	18
	2nd Qtr	50	72	22
	1st Qtr	50	70	20
<p><i>2.2 square kilometers of groundwater at Hanford near the Columbia River is contaminated with toxic chromium that is affecting salmon redds.</i></p> <p><i>-- The goal is to meet the aquatic water quality standard of 10 ppb at the river by 2012.</i></p>				

Comment: Increase in volume of groundwater pumped from 100-KR-4 and 100-D pump and treat systems.

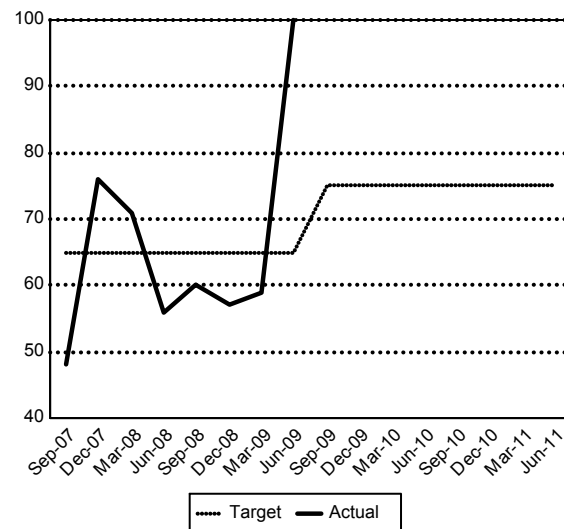


As of 10/7/2009

Pounds of chromium removed from contaminated groundwater at Hanford.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	75		
	7th Qtr	75		
	6th Qtr	75		
	5th Qtr	75		
	4th Qtr	75		
	3rd Qtr	75		
	2nd Qtr	75		
	1st Qtr	75		
2007-09	8th Qtr	65	100	35
	7th Qtr	65	59	(6)
	6th Qtr	65	57	(8)
	5th Qtr	65	60	(5)
	4th Qtr	65	56	(9)
	3rd Qtr	65	71	6
	2nd Qtr	65	76	11
	1st Qtr	65	48	(17)
<p>2.2 square kilometers of groundwater at Hanford near the Columbia River is contaminated with toxic chromium that affects salmon redds.</p> <p>--In the last 10 years 1620 pounds of chromium has been treated or removed from the groundwater.</p>				

Comment: Increase in amount removed resulted from increased volume of water pumped from most contaminated portion of plume.

Refer to narrative justification.

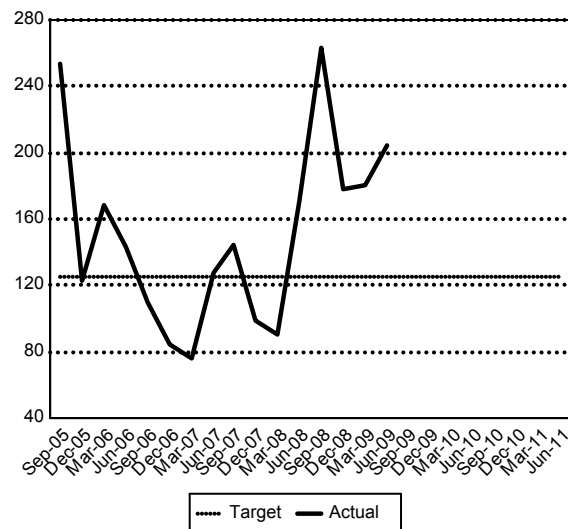


As of 10/7/2009

Tons of radioactive and/or chemically contaminated soil & debris removed and securely disposed at Hanford.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	125		
	7th Qtr	125		
	6th Qtr	125		
	5th Qtr	125		
	4th Qtr	125		
	3rd Qtr	125		
	2nd Qtr	125		
	1st Qtr	125		
2007-09	8th Qtr	125	205	80
	7th Qtr	125	180	55
	6th Qtr	125	178	53
	5th Qtr	125	263	138
	4th Qtr	125	171	46
	3rd Qtr	125	90	(35)
	2nd Qtr	125	99	(26)
	1st Qtr	125	145	20
2005-07	8th Qtr	125	128	3
	7th Qtr	125	76	(49)
	6th Qtr	125	85	(40)
	5th Qtr	125	110	(15)
	4th Qtr	125	143	18
	3rd Qtr	125	168	43
	2nd Qtr	125	123	(2)
	1st Qtr	125	254	129
<i>The volume of soil that the USDOE and its contractors will remove each year reflects the total volume that must be removed to complete soil removal by Federal Fiscal 2024. Measured in hundred thousand tons. Reported values are delayed by 1 quarter.</i>				

Date Measured: 6/28/2009

Comment: Focused effort on 100 Area cleanup and decommissioning and 300 Area burial ground remediation



A015 Clean Up and Remove Large, Complex, Contaminated Facilities throughout Hanford

Statewide Result Area: Improve the quality of Washington's natural resources
Statewide Strategy: Preserve, maintain and restore natural systems and landscapes

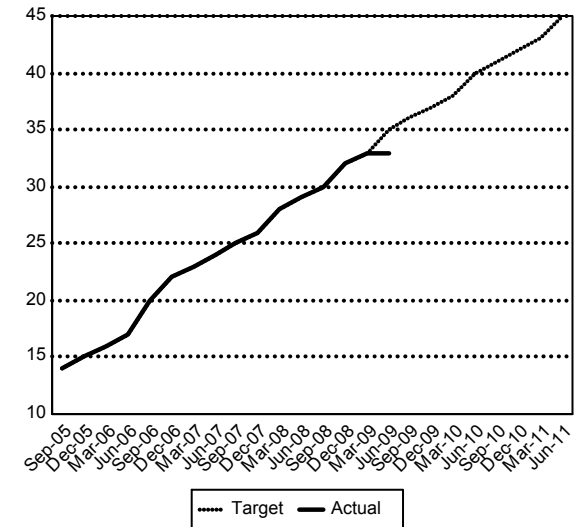
Expected Results

As of 10/7/2009

All major facilities on the Hanford Site will be decontaminated and decommissioned, and either demolished or placed into a long-term safe storage configuration. Six of nineteen high priority contaminated buildings in the 300 Area will be removed. 27 percent of the decontamination and decommissioning effort at the Plutonium Finishing Plant will be completed (target completion is by 2016). Continued removal of ancillary buildings in the 100-N Area and decontamination and stabilization of the 100-N Reactor.

Decontaminate and decommission the plutonium finishing plant on Hanford on schedule by 2016. (percent complete)				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	45%		
	7th Qtr	43%		
	6th Qtr	42%		
	5th Qtr	41%		
	4th Qtr	40%		
	3rd Qtr	38%		
	2nd Qtr	37%		
	1st Qtr	36%		
2007-09	8th Qtr	35%	33%	(2)%
	7th Qtr	33%	33%	0%
	6th Qtr	32%	32%	0%
	5th Qtr	30%	30%	0%
	4th Qtr	29%	29%	0%
	3rd Qtr	28%	28%	0%
	2nd Qtr	26%	26%	0%
	1st Qtr	25%	25%	0%
2005-07	8th Qtr	24%	24%	0%
	7th Qtr	23%	23%	0%
	6th Qtr	22%	22%	0%
	5th Qtr	20%	20%	0%
	4th Qtr	17%	17%	0%
	3rd Qtr	16%	16%	0%
	2nd Qtr	15%	15%	0%
	1st Qtr	14%	14%	0%
1) The USDOE will use American Recovery and Reinvestment Act (ARRA) funds to remove glove boxes, hoods, and process equipment; and to ready Plutonium Finishing Plant 234-Z-5 Process Areas and ancillary facilities for demolition.				

Refer to narrative justification.



A016 Treat and Dispose of Hanford's High-level Radioactive Tank Waste

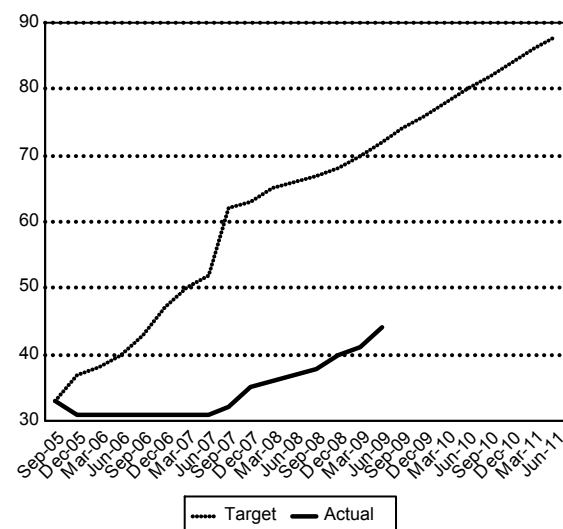
As of 10/7/2009

Statewide Result Area: Improve the quality of Washington's natural resources
Statewide Strategy: Preserve, maintain and restore natural systems and landscapes

Expected Results

53 million gallons of high-level radioactive mixed waste from Hanford's interim storage tanks will be retrieved and treated. Construction of The Hanford Tank Waste Treatment Plant that has been significantly delayed will be re-started.

Percent of the Hanford tank waste treatment plant construction completed.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	88%		
	7th Qtr	86%		
	6th Qtr	84%		
	5th Qtr	82%		
	4th Qtr	80%		
	3rd Qtr	78%		
	2nd Qtr	76%		
	1st Qtr	74%		
2007-09	8th Qtr	72%	44%	(28)%
	7th Qtr	70%	41%	(29)%
	6th Qtr	68%	40%	(28)%
	5th Qtr	67%	37.7%	(29.3)%
	4th Qtr	66%	37%	(29)%
	3rd Qtr	65%	36%	(29)%
	2nd Qtr	63%	35%	(28)%
	1st Qtr	62%	32%	(30)%
2005-07	8th Qtr	52%	31%	(21)%
	7th Qtr	50%	31%	(19)%
	6th Qtr	47%	31%	(16)%
	5th Qtr	43%	31%	(12)%
	4th Qtr	40%	31%	(9)%
	3rd Qtr	38%	31%	(7)%
	2nd Qtr	37%	31%	(6)%
	1st Qtr	33%	33%	0%
<p>1) Completion percentage is compared to construction schedule. Hanford Consent Order Milestones require operation of the treatment plant by 2011. 2) The progress targets are based on operation of the plant by 2011. 3) Construction of the High Level Waste and Pretreatment Facilities in the Tank Waste Treatment Plant resumed in 09/2007. 4) The USDOE informed Ecology that their new approved budget baseline reflects operation by 2019. Schedule changes pending agreement between State and DOE.</p>				



As of 10/7/2009

Refer to narrative justification.

**A017 Ensure Safe Tank Operations, Storage of Tank Wastes, &
Closure of the Waste Storage Tanks at Hanford**

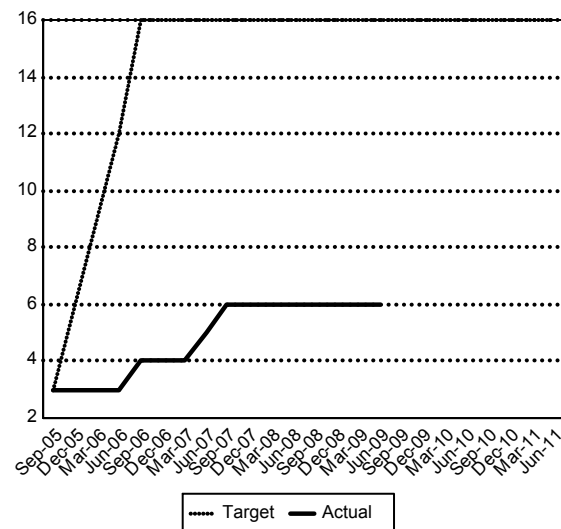
Statewide Result Area: Improve the quality of Washington's natural resources**Statewide Strategy:** Preserve, maintain and restore natural systems and landscapes**Expected Results**

Public health and environmental risk from the highly toxic, mixed radioactive and hazardous tank waste is reduced and tank wastes are safely managed until treated and properly disposed of. Four single-shell tanks are emptied and waste safely stored. A permit is issued for the Double Shell Tank Farms.

As of 10/7/2009

Number of tanks containing radioactive hazardous waste emptied at Hanford's "C-Tank Farm" (cumulative).				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	16		
	7th Qtr	16		
	6th Qtr	16		
	5th Qtr	16		
	4th Qtr	16		
	3rd Qtr	16		
	2nd Qtr	16		
	1st Qtr	16		
2007-09	8th Qtr	16	6	(10)
	7th Qtr	16	6	(10)
	6th Qtr	16	6	(10)
	5th Qtr	16	6	(10)
	4th Qtr	16	6	(10)
	3rd Qtr	16	6	(10)
	2nd Qtr	16	6	(10)
	1st Qtr	16	6	(10)
2005-07	8th Qtr	16	5	(11)
	7th Qtr	16	4	(12)
	6th Qtr	16	4	(12)
	5th Qtr	16	4	(12)
	4th Qtr	12	3	(9)
	3rd Qtr	9	3	(6)
	2nd Qtr	6	3	(3)
	1st Qtr	3	3	0
<p>1) USDOE must move all tank waste from single shell tanks to double shell tanks.</p> <p>2) USDOE did not meet existing Hanford Consent Order target to empty all 16 tanks in C Farm by September 2006.</p> <p>3) Six C Farm tanks empty, five of which meet residual volume requirement in Consent Order.</p> <p>4) Ecology is addressing missed milestones in litigation with USDOE.</p> <p>5) Total volume in C Farm 1.409 million gals (7/1/08); total volume 1.349 M gal. (12/31/08); 60,000 gal. retrieved.</p>				

Refer to narrative justification.



A018 Ensure the Safe Management of Radioactive Mixed Waste at Hanford

*As of 10/7/2009***Statewide Result Area:** Improve the quality of Washington's natural resources**Statewide Strategy:** Preserve, maintain and restore natural systems and landscapes**Expected Results**

2.6 billion gallons of liquid waste water and 35 million cubic feet of solid wastes will be treated and disposed of by 2017 to significantly reduce the risks posed to Hanford workers and the environment. Closure decisions for the commercial low-level radioactive waste disposal sites are made. 4,900 cubic meters of transuranic waste are retrieved from the low level burial grounds at Hanford. 2,445 cubic meters of Mixed Low Level Waste are treated for disposal. 2,400 cubic meters of contact handled transuranic mixed waste are treated or certified for disposal. 600 cubic meters of contact and remote handled mixed low level waste are treated.

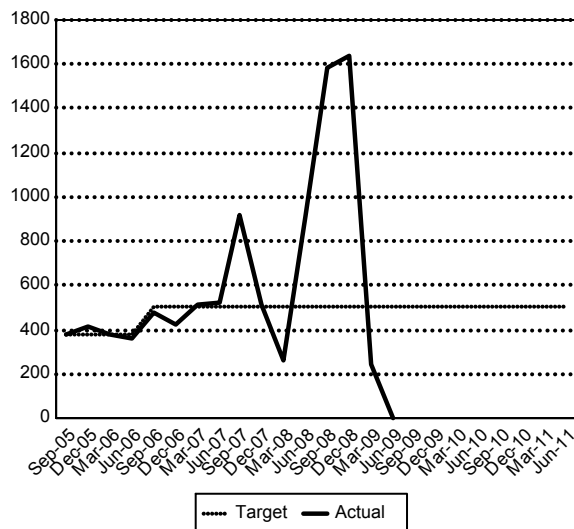
As of 10/7/2009

Amount of transuranic waste removed from the low level burial grounds at Hanford. (cubic meters)				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	500		
	7th Qtr	500		
	6th Qtr	500		
	5th Qtr	500		
	4th Qtr	500		
	3rd Qtr	500		
	2nd Qtr	500		
	1st Qtr	500		
2007-09	8th Qtr	500	2	(498)
	7th Qtr	500	247	(253)
	6th Qtr	500	1,635	1,135
	5th Qtr	500	1,581	1,081
	4th Qtr	500	911	411
	3rd Qtr	500	258	(242)
	2nd Qtr	500	516	16
	1st Qtr	500	915	415
2005-07	8th Qtr	500	520	20
	7th Qtr	500	510	10
	6th Qtr	500	420	(80)
	5th Qtr	500	480	(20)
	4th Qtr	375	360	(15)
	3rd Qtr	375	380	5
	2nd Qtr	375	412	37
	1st Qtr	375	375	0

1) The Hanford Consent Order milestones require the USDOE and its contractors to remove specific quantities of waste each year. 2) The Consent Order measures waste cubic meters. Changes in amounts are undergoing public review. Transuranic waste is radioactive waste that emits alpha particles. Transuranic waste contains elements have that atomic numbers greater than Uranium on the periodic chart of the elements, with half-lives greater than 20 years.

Comment: Contractor halted retrieval 5 times to await Dept of Health approval to retrieve collapsed boxes and because of initial lack of funding.

Refer to narrative justification.



A019 Improve Community Access to Hazardous Substance and Waste Information

As of 10/7/2009

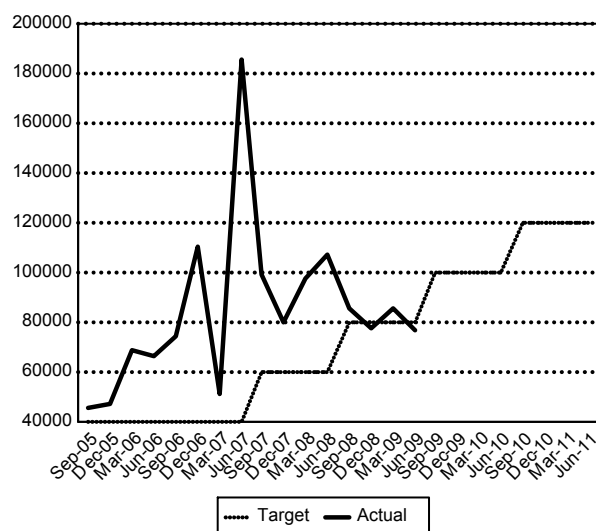
Statewide Result Area: Improve the quality of Washington's natural resources
Statewide Strategy: Provide good science and natural resource monitoring data to support decision-making

Expected Results

Hazardous waste data (type, location, volume, etc.) is readily available to emergency responders, local governments, citizens, and decision makers. Improved website and public access to hazardous waste information. Over 9,500 phone calls to the hazardous assistance hotline are responded to annually. "Shoptalk" newsletter is issued to 25,000 businesses. Forty publications for businesses are developed or revised annually. The State Emergency Response Commission and local emergency planning committees get help from Ecology with data on chemicals and hazardous substances. 7,000 hazardous waste reports from businesses are collected and analyzed yearly. Agency staff and local governments receive guidance on environmental justice issues.

Number of visits to hazardous waste Web sites.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	120,000		
	7th Qtr	120,000		
	6th Qtr	120,000		
	5th Qtr	120,000		
	4th Qtr	100,000		
	3rd Qtr	100,000		
	2nd Qtr	100,000		
	1st Qtr	100,000		
2007-09	8th Qtr	80,000	76,647	(3,353)
	7th Qtr	80,000	85,635	5,635
	6th Qtr	80,000	77,438	(2,562)
	5th Qtr	80,000	85,340	5,340
	4th Qtr	60,000	107,015	47,015
	3rd Qtr	60,000	97,271	37,271
	2nd Qtr	60,000	80,187	20,187
	1st Qtr	60,000	98,947	38,947
2005-07	8th Qtr	40,000	185,301	145,301
	7th Qtr	40,000	50,996	10,996
	6th Qtr	40,000	110,719	70,719
	5th Qtr	40,000	74,293	34,293
	4th Qtr	40,000	66,439	26,439
	3rd Qtr	40,000	68,996	28,996
	2nd Qtr	40,000	47,489	7,489
	1st Qtr	40,000	45,834	5,834
This measure is the number of times our hazardous waste web sites are accessed. The web sites contain information to help people reduce the amount of toxic chemical they use and information on how to manage hazardous waste safely.				

Date Measured: 6/30/2009



As of 10/7/2009

Refer to narrative justification.

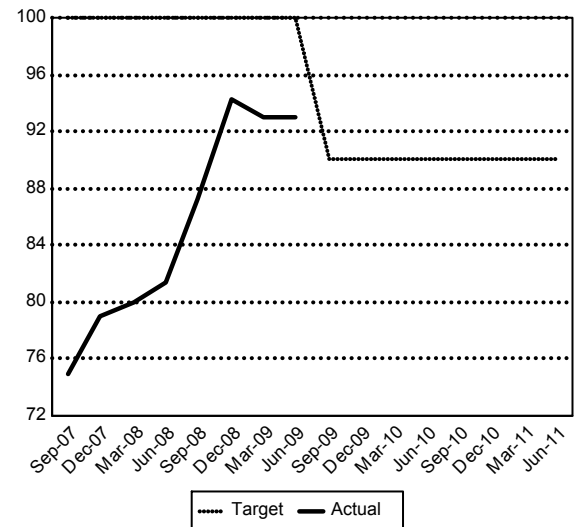
A020 Improve Quality of Data Used for Environmental Decision Making**Statewide Result Area:** Improve the quality of Washington's natural resources**Statewide Strategy:** Provide good science and natural resource monitoring data to support decision-making**Expected Results**

Environmental policy and agency decisions are based upon accurate, reliable, and timely data. Quality Assurance Project Plans are completed for all scientific studies before sampling begins. Environmental sampling and laboratory methods are described in formal Standard Operating Procedures.

Percent of environmental monitoring field procedures covered by a formal Standard Operating Procedure (SOP).				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	90%		
	7th Qtr	90%		
	6th Qtr	90%		
	5th Qtr	90%		
	4th Qtr	90%		
	3rd Qtr	90%		
	2nd Qtr	90%		
	1st Qtr	90%		
2007-09	8th Qtr	100%	93%	(7)%
	7th Qtr	100%	93%	(7)%
	6th Qtr	100%	94.3%	(5.7)%
	5th Qtr	100%	87.28%	(12.72)%
	4th Qtr	100%	81.4%	(18.6)%
	3rd Qtr	100%	80%	(20)%
	2nd Qtr	100%	79%	(21)%
	1st Qtr	100%	75%	(25)%
<i>A target of 90% for all environmental monitoring field procedures to be documented in a formal Standard Operating Procedure (SOP) is a more realistic target. "Formal" means the completed SOP includes all of the required elements, is properly formatted, and has been approved according to the Environmental Assessment Program's policy #01-08.</i>				

Date Measured: 6/30/2009

Comment: 55 of 59 identified SOPs completed.



Refer to narrative justification.

As of 10/7/2009

**A021 Increase Compliance and Act on Environmental Threats from
Hazardous Waste**

Statewide Result Area: **Improve the quality of Washington's natural resources****Statewide Strategy:** **Establish safeguards and standards to protect natural resources****Expected Results**

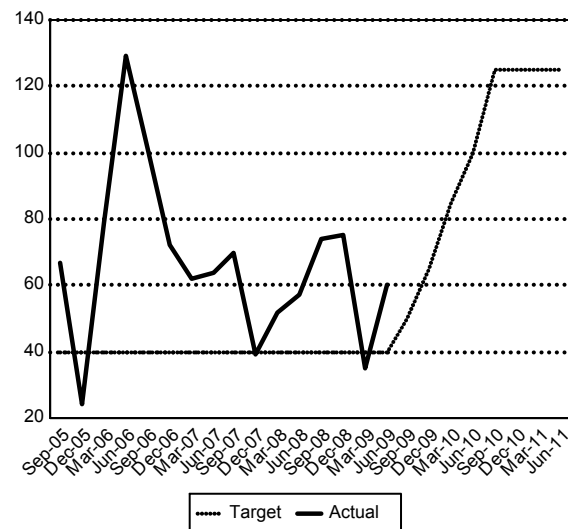
Improved facility compliance in managing hazardous wastes for the protection of public health and the environment when other voluntary efforts fail. Improved compliance shown by an increase in the number of facilities that have few or no violations. 320 compliance inspections are conducted annually (including 15 treatment, storage, and disposal facilities; 17 recyclers; and 70 large quantity hazardous waste generators). Penalties and regulatory orders are issued when needed. Nearly 180 complaints regarding hazardous wastes or substances are responded to. Environmental crimes (illegal dumping, falsifying records, etc.) are responded to and investigated.

As of 10/7/2009

Number of significant hazardous waste environmental threats resolved.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	125		
	7th Qtr	125		
	6th Qtr	125		
	5th Qtr	125		
	4th Qtr	100		
	3rd Qtr	85		
	2nd Qtr	65		
	1st Qtr	50		
2007-09	8th Qtr	40	60	20
	7th Qtr	40	35	(5)
	6th Qtr	40	75	35
	5th Qtr	40	74	34
	4th Qtr	40	57	17
	3rd Qtr	40	52	12
	2nd Qtr	40	39	(1)
	1st Qtr	40	70	30
2005-07	8th Qtr	40	64	24
	7th Qtr	40	62	22
	6th Qtr	40	72	32
	5th Qtr	40	101	61
	4th Qtr	40	129	89
	3rd Qtr	40	79	39
	2nd Qtr	40	24	(16)
	1st Qtr	40	67	27
The agency focuses inspections on the four highest priority environmental threats in hazardous waste management including oil and hazardous material spills, waste disposal, waste designation, and container management violations.				

Date Measured: 6/30/2009

Refer to narrative justification.



A022 Increase Safe Hazardous Waste Management

Statewide Result Area: Improve the quality of Washington's natural resources
 Statewide Strategy: Establish safeguards and standards to protect natural resources

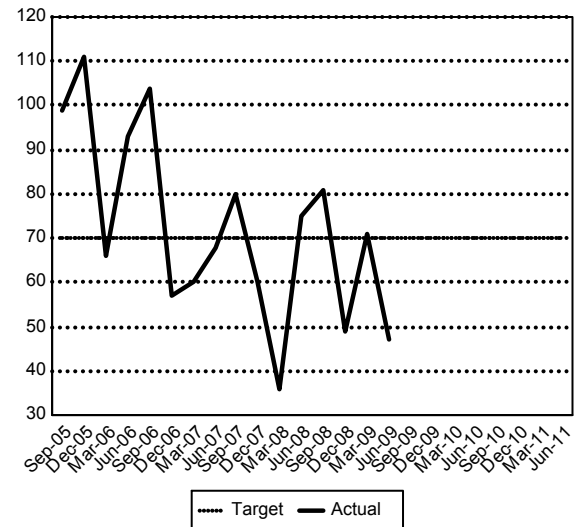
Expected Results

As of 10/7/2009

Hazardous waste is safely managed, the public is protected, and businesses are in compliance with state hazardous waste laws. 376 compliance technical assistance visits are conducted each year. Businesses get help determining how to manage their wastes safely. Annual workshops are held to explain regulatory requirements and best management practices. Rules are adopted to provide the best environmental protection and flexibility to meet business needs. Increased number of facilities achieve and stay in compliance with regulatory requirements. New businesses get visits from agency staff to explain hazardous waste requirements.

Number of waste reduction technical assistance visits to prioritized business sectors.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	70		
	7th Qtr	70		
	6th Qtr	70		
	5th Qtr	70		
	4th Qtr	70		
	3rd Qtr	70		
	2nd Qtr	70		
	1st Qtr	70		
2007-09	8th Qtr	70	47	(23)
	7th Qtr	70	71	1
	6th Qtr	70	49	(21)
	5th Qtr	70	81	11
	4th Qtr	70	75	5
	3rd Qtr	70	36	(34)
	2nd Qtr	70	60	(10)
	1st Qtr	70	80	10
2005-07	8th Qtr	70	68	(2)
	7th Qtr	70	60	(10)
	6th Qtr	70	57	(13)
	5th Qtr	70	104	34
	4th Qtr	70	93	23
	3rd Qtr	70	66	(4)
	2nd Qtr	70	111	41
	1st Qtr	70	99	29
Sectors are similar types of businesses that receive technical assistance to help them reduce their hazardous substance use and to improve safe management of their wastes (for example, sectors include business types such as dry cleaners, electroplaters, hospitals, metal finishers, circuit board manufacturers, auto body shops, wood finishers, etc.).				

Date Measured: 6/30/2009



Refer to narrative justification.

As of 10/7/2009

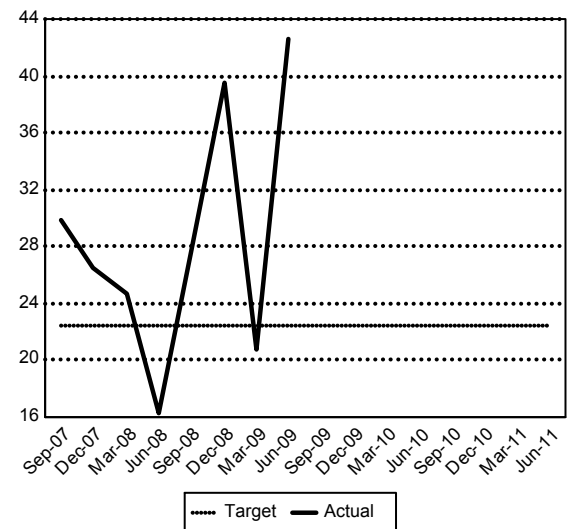
Statewide Result Area: Improve the quality of Washington's natural resources**Statewide Strategy:** Establish safeguards and standards to protect natural resources**Expected Results**

Underground storage tanks are properly installed, monitored and/or decommissioned to minimize the release of oil, gas, and other toxic materials into drinking water and other underground water sources. Decreased number of reported releases from underground storage tanks over time. Increased number of leaking underground storage sites that are cleaned up or no further action is needed. Increased percentage of underground storage tanks inspected that pass operational compliance for leak detection.

Average number of underground storage tank inspections completed per inspector.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	22.5		
	7th Qtr	22.5		
	6th Qtr	22.5		
	5th Qtr	22.5		
	4th Qtr	22.5		
	3rd Qtr	22.5		
	2nd Qtr	22.5		
	1st Qtr	22.5		
2007-09	8th Qtr	22.5	42.6	20.1
	7th Qtr	22.5	20.7	(1.8)
	6th Qtr	22.5	39.5	17
	5th Qtr	22.5	27.5	5
	4th Qtr	22.5	16.3	(6.2)
	3rd Qtr	22.5	24.7	2.2
	2nd Qtr	22.5	26.5	4
	1st Qtr	22.5	29.9	7.4
<p><i>The 90 UST inspections per year per FTE is based on our requirement to conduct UST inspections at every facility once every three years.</i></p> <p><i>The 90 inspections per year is also a personal performance measure for each inspector.</i></p>				

Date Measured: 7/23/2009

Refer to narrative justification.

**A024 Manage Water Rights****Statewide Result Area:** Improve the quality of Washington's natural resources**Statewide Strategy:** Achieve sustainable use of public natural resources

As of 10/7/2009

Expected Results

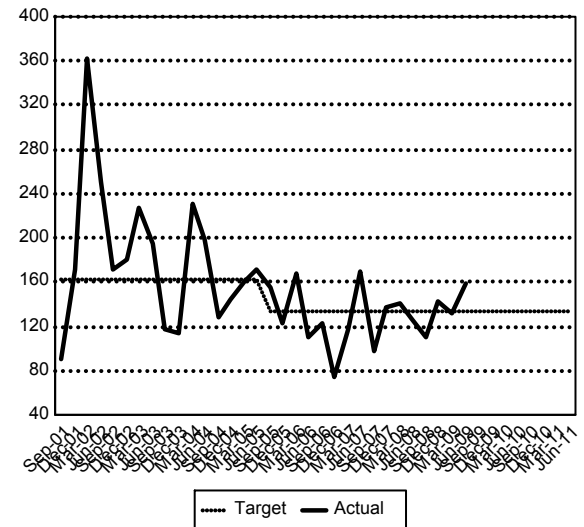
Improved allocation of new water rights and changes to existing rights through sound and timely permit decision-making. New municipal water right provisions are implemented with the Department of Health. Water needs are met and existing water users and the environment are protected. Timely and sound decisions are made on applications for new water rights and changes to existing rights to (re)allocate water; the existing water rights portfolio is more actively managed.

Number of water right decisions completed.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	133		
	7th Qtr	133		
	6th Qtr	133		
	5th Qtr	133		
	4th Qtr	133		
	3rd Qtr	133		
	2nd Qtr	133		
	1st Qtr	133		
2007-09	8th Qtr	133	159	26
	7th Qtr	133	132	(1)
	6th Qtr	133	142	9
	5th Qtr	133	110	(23)
	4th Qtr	133	127	(6)
	3rd Qtr	133	141	8
	2nd Qtr	133	137	4
	1st Qtr	133	97	(36)
2005-07	8th Qtr	133	170	37
	7th Qtr	133	117	(16)
	6th Qtr	133	74	(59)
	5th Qtr	133	123	(10)
	4th Qtr	133	111	(22)
	3rd Qtr	133	168	35
	2nd Qtr	133	122	(11)
	1st Qtr	133	156	23
<i>This includes water right changes and new water right decisions. Q5: With initiation of Columbia R program, staff have moved to those positions from water rights processing. Hiring is slow and subsequently became restricted.</i>				

Date Measured: 7/28/2009

Comment: 29 new water right decisions and 130 water right change decisions.

Refer to narrative justification.



As of 10/7/2009

A025 Measure Air Pollution Levels and Emissions

Statewide Result Area: **Improve the quality of Washington's natural resources****Statewide Strategy:** **Provide good science and natural resource monitoring data to support decision-making****Expected Results**

Comprehensive air quality data are gathered, maintained, and evaluated over time to ensure informed policy decisions. Annual network review and modifications are conducted to meet air quality needs. No one is exposed to violations of standards. Adequate data are available to policy makers. A regional consortium for air quality forecast modeling is established. Improved emissions data and modeling tools to predict air quality levels, impacts and trends. Region-wide, trans-boundary efforts to characterize air quality patterns are developed. Ambient air monitoring sites in cooperation with outside agencies are supported.

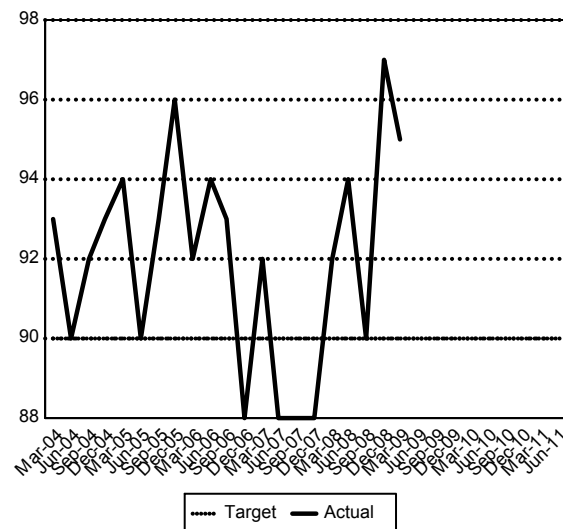
As of 10/7/2009

Percent of monitoring data that is valid.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	90%		
	7th Qtr	90%		
	6th Qtr	90%		
	5th Qtr	90%		
	4th Qtr	90%		
	3rd Qtr	90%		
	2nd Qtr	90%		
	1st Qtr	90%		
2007-09	8th Qtr	90%		
	7th Qtr	90%	95%	5%
	6th Qtr	90%	97%	7%
	5th Qtr	90%	90%	0%
	4th Qtr	90%	94%	4%
	3rd Qtr	90%	92%	2%
	2nd Qtr	90%	88%	(2)%
	1st Qtr	90%	88%	(2)%
2005-07	8th Qtr	90%	88%	(2)%
	7th Qtr	90%	92%	2%
	6th Qtr	90%	88%	(2)%
	5th Qtr	90%	93%	3%
	4th Qtr	90%	94%	4%
	3rd Qtr	90%	92%	2%
	2nd Qtr	90%	96%	6%
	1st Qtr	90%	93%	3%
<p><i>The statewide air quality monitoring network operates under robust standards for data quality and completeness. Standards for data accuracy, precision, and availability are the criteria for a data validation computation that is expected to be achieved at a minimum 90% performance level.</i></p> <p><i>Quality assured data lags the quarter end by 90 days.</i></p>				

Date Measured: 7/21/2009

Comment: Data lags one quarter due to data quality assurance/quality control review.

Refer to narrative justification.



A026 Measure Contaminants in the Environment by Performing Laboratory Analyses

As of 10/7/2009

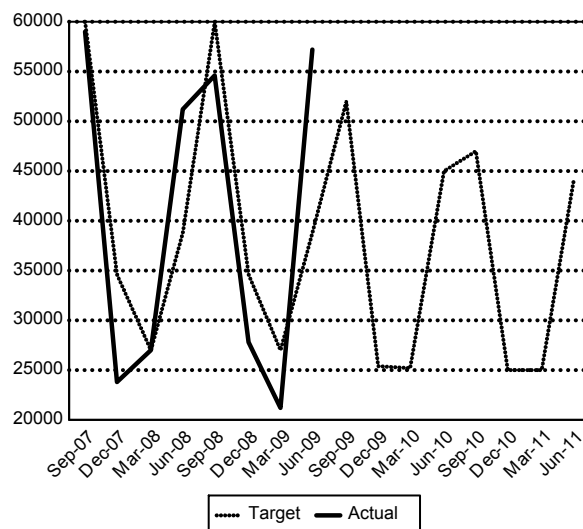
Statewide Result Area: Improve the quality of Washington's natural resources
Statewide Strategy: Provide good science and natural resource monitoring data to support decision-making

Expected Results

Ecology's full-service environmental testing laboratory provides defensible and accurate analytical and laboratory support to the agency and other state and local governments. Scientifically sound laboratory results are provided to clients for making environmental decisions.

Number of chemical analyses completed for clients by Ecology's Manchester Environmental Laboratory				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	44,000		
	7th Qtr	25,000		
	6th Qtr	25,000		
	5th Qtr	47,000		
	4th Qtr	45,000		
	3rd Qtr	25,100		
	2nd Qtr	25,500		
	1st Qtr	52,000		
2007-09	8th Qtr	38,800	57,215	18,415
	7th Qtr	27,100	21,202	(5,898)
	6th Qtr	34,600	27,815	(6,785)
	5th Qtr	60,000	54,668	(5,332)
	4th Qtr	38,800	51,226	12,426
	3rd Qtr	27,100	26,983	(117)
	2nd Qtr	34,600	23,777	(10,823)
	1st Qtr	60,000	58,952	(1,048)
Manchester Environmental Laboratory analyzes environmental samples primarily for Department of Ecology staff. Analyses cover a broad range of chemical and physical parameters including bacteria, conventional parameters like nitrate, phosphorus, pH, and conductivity; metals; organic compounds; and etc. Targets vary quarterly based on our laboratory loading plan.				

Date Measured: 6/30/2009



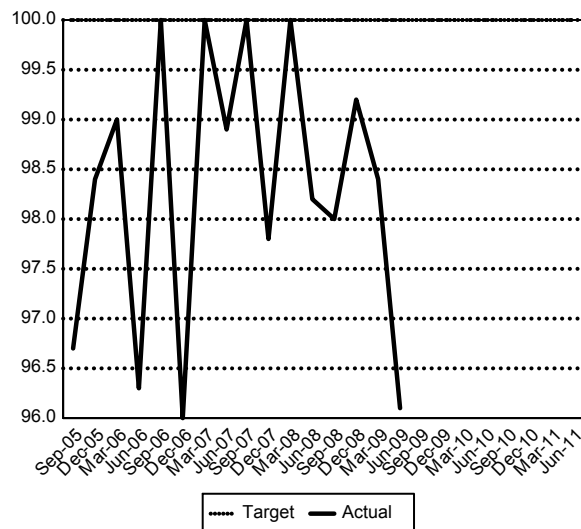
As of 10/7/2009

Percent of acceptable proficiency testing analyses completed by Ecology's Manchester Environmental Laboratory				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	100%		
	7th Qtr	100%		
	6th Qtr	100%		
	5th Qtr	100%		
	4th Qtr	100%		
	3rd Qtr	100%		
	2nd Qtr	100%		
	1st Qtr	100%		
2007-09	8th Qtr	100%	96.1%	(3.9)%
	7th Qtr	100%	98.4%	(1.6)%
	6th Qtr	100%	99.2%	(0.8)%
	5th Qtr	100%	98%	(2)%
	4th Qtr	100%	98.2%	(1.8)%
	3rd Qtr	100%	100%	0%
	2nd Qtr	100%	97.8%	(2.2)%
	1st Qtr	100%	100%	0%
2005-07	8th Qtr	100%	98.9%	(1.1)%
	7th Qtr	100%	100%	0%
	6th Qtr	100%	96%	(4)%
	5th Qtr	100%	100%	0%
	4th Qtr	100%	96.3%	(3.7)%
	3rd Qtr	100%	99%	(1)%
	2nd Qtr	100%	98.4%	(1.6)%
	1st Qtr	100%	96.7%	(3.3)%
Standardized unknown samples analyzed by the Ecology Manchester laboratory to test for accuracy of analysis. Ideally, our proficiency testing results would be 100% accurate.				

Date Measured: 6/30/2009

Comment: 450 of 468 performance tests completed correctly.

Refer to narrative justification.



A027 Monitor the Quality of State Waters and Measure Stream Flows Statewide

Statewide Result Area: Improve the quality of Washington's natural resources

Statewide Strategy: Provide good science and natural resource monitoring data to support decision-making

As of 10/7/2009

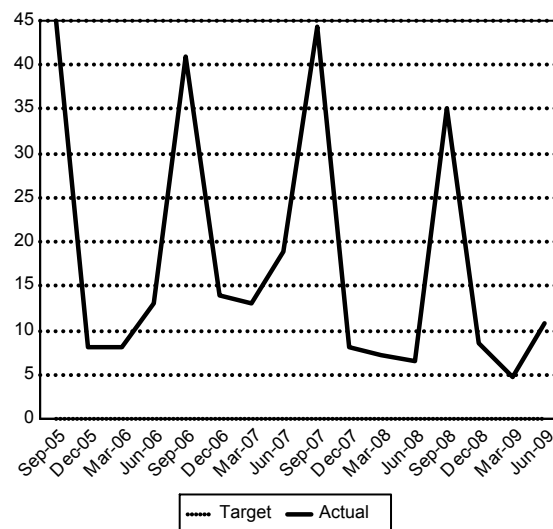
Expected Results

Conditions and changes of major freshwater rivers, Puget Sound, and the largest coastal estuaries over time are described. Monthly samples from approximately 82 freshwater and 35 marine water sites are collected. Stream flows at approximately 140 sites statewide (62 near real-time) are measured and reported. Real-time stream flow data is provided via the Web. Agency staff and the public are alerted to emerging water quality problems. The effectiveness of water clean-up activities is tracked and assessed.

Percent of freshwater ambient monitoring stations NOT meeting water quality criteria.				
Biennium	Period	Target	Actual	Variance
2007-09	8th Qtr	0%	10.8%	10.8%
	7th Qtr	0%	4.7%	4.7%
	6th Qtr	0%	8.6%	8.6%
	5th Qtr	0%	35%	35%
	4th Qtr	0%	6.6%	6.6%
	3rd Qtr	0%	7.3%	7.3%
	2nd Qtr	0%	8%	8%
	1st Qtr	0%	44.4%	44.4%
2005-07	8th Qtr	0%	19%	19%
	7th Qtr	0%	13%	13%
	6th Qtr	0%	14%	14%
	5th Qtr	0%	41%	41%
	4th Qtr	0%	13%	13%
	3rd Qtr	0%	8%	8%
	2nd Qtr	0%	8%	8%
	1st Qtr	0%	45%	45%
Based upon 62 long-term, core river and stream monitoring stations and additional annual stations requested by Ecology's Water Quality Program. Our target is 0% because ideally all waterbodies would meet criteria. Stations are targeted (non-random) for long time-series data or to monitor sites known or suspected to violate water quality standards.				

Date Measured: 6/30/2009

Comment: Based on 303 stations visits. Data from March, April, May.



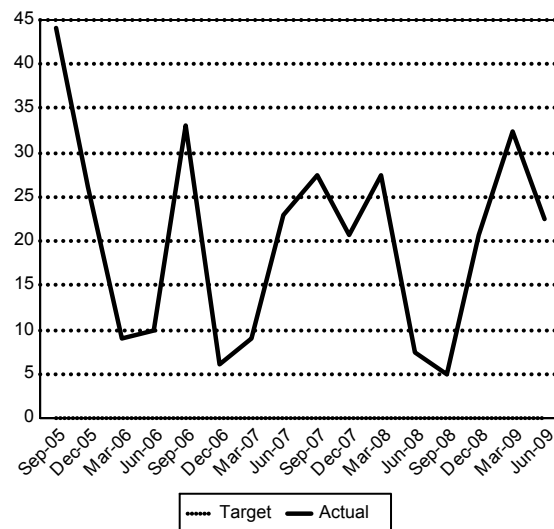
As of 10/7/2009

Percent of monitored stream flows BELOW critical flow levels.				
Biennium	Period	Target	Actual	Variance
2007-09	8th Qtr	0%	22.5%	22.5%
	7th Qtr	0%	32.5%	32.5%
	6th Qtr	0%	20.8%	20.8%
	5th Qtr	0%	5%	5%
	4th Qtr	0%	7.5%	7.5%
	3rd Qtr	0%	27.5%	27.5%
	2nd Qtr	0%	20.8%	20.8%
	1st Qtr	0%	27.5%	27.5%
2005-07	8th Qtr	0%	23%	23%
	7th Qtr	0%	9%	9%
	6th Qtr	0%	6%	6%
	5th Qtr	0%	33%	33%
	4th Qtr	0%	10%	10%
	3rd Qtr	0%	9%	9%
	2nd Qtr	0%	26%	26%
	1st Qtr	0%	44%	44%
Critical low flows are defined as the 20th percentile of historic flow for the measured date. The target is set at 0% because we do not want any stream flows below critical flow levels.				

Date Measured: 6/30/2009

Comment: Based on end-of month flows at 40 representative stations.

Refer to narrative justification.



A028 Improve Environmental Compliance at State's Largest Industrial Facilities

Statewide Result Area: Improve the quality of Washington's natural resources

Statewide Strategy: Establish safeguards and standards to protect natural resources

Expected Results

Pulp and paper facilities, oil refineries, and aluminum smelters have an improved compliance rate with environmental standards through one-stop environmental permitting, compliance, and technical assistance.

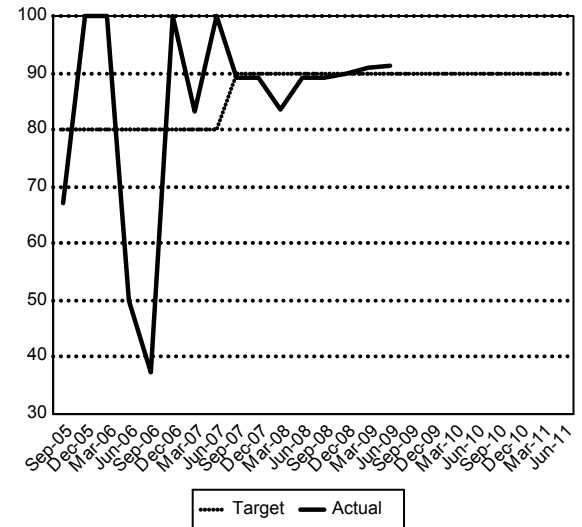
Assurance that at least 90 percent permits are up to date at all times. Plant permits comply with federal standards to drive emissions down over time.

As of 10/7/2009

Percent of industrial section permit actions that meet the agency timeliness goals.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	90%		
	7th Qtr	90%		
	6th Qtr	90%		
	5th Qtr	90%		
	4th Qtr	90%		
	3rd Qtr	90%		
	2nd Qtr	90%		
	1st Qtr	90%		
2007-09	8th Qtr	90%	91.4%	1.4%
	7th Qtr	90%	91%	1%
	6th Qtr	90%	90%	0%
	5th Qtr	90%	89%	(1)%
	4th Qtr	90%	89%	(1)%
	3rd Qtr	90%	83.4%	(6.6)%
	2nd Qtr	90%	89%	(1)%
	1st Qtr	90%	89%	(1)%
2005-07	8th Qtr	80%	100%	20%
	7th Qtr	80%	83.3%	3.3%
	6th Qtr	80%	100%	20%
	5th Qtr	80%	37.5%	(42.5)%
	4th Qtr	80%	50%	(30)%
	3rd Qtr	80%	100%	20%
	2nd Qtr	80%	100%	20%
	1st Qtr	80%	67%	(13)%
This measures the percentage of permits that are up to date against the total number of permits the industrial section manages.				

Date Measured: 7/15/2009

Refer to narrative justification.



A029 Prepare and Respond to Drought

Statewide Result Area: Improve the quality of Washington's natural resources
Statewide Strategy: Achieve sustainable use of public natural resources

Expected Results

Drought effects are monitored, and where feasible, mitigated (such as impacts to water supply and drought preparedness) through improved planning, communication, coordination, and loss prevention efforts. Increased number of temporary water right permits processed during periods of drought.

As of 10/7/2009

Refer to narrative justification.

A030 Prepare for Aggressive Response to Oil and Hazardous Material Incidents

Statewide Result Area: Improve the quality of Washington's natural resources

Statewide Strategy: Establish safeguards and standards to protect natural resources

Expected Results

The agency and regulated community are fully prepared to promptly respond to and mitigate the impacts of oil spills. Enhanced regional spill response team capabilities. Oil spill contingency plans are approved. One new inland Geographic Response Plan is developed. Three existing marine Geographic Response Plans are updated.

Refer to narrative justification.

A031 Prevent Hazardous Waste Pollution Through Permitting, Closure, and Corrective Action

Statewide Result Area: Improve the quality of Washington's natural resources

Statewide Strategy: Preserve, maintain and restore natural systems and landscapes

Expected Results

Assurance that facilities treating, storing, or disposing of hazardous wastes are constructed and operating properly to prevent soil, water, or air contamination. Protective permits for hazardous waste management facilities are issued. Processed permit modifications for facilities that want to change or expand operations for treating, storing, or disposing of hazardous wastes. Eight percent yearly increase in the complete cleanup or remediation at 27 high priority facilities. No new abandoned facilities requiring cleanup by proposing statutory and regulatory improvements for Washington's waste management system. Proper financial assurance requirements are in place at used oil processors and recyclers to fund potential future cleanups at abandoned facilities.

Refer to narrative justification.

A032 Prevent Point Source Water Pollution

Statewide Result Area: Improve the quality of Washington's natural resources

Statewide Strategy: Establish safeguards and standards to protect natural resources

Expected Results

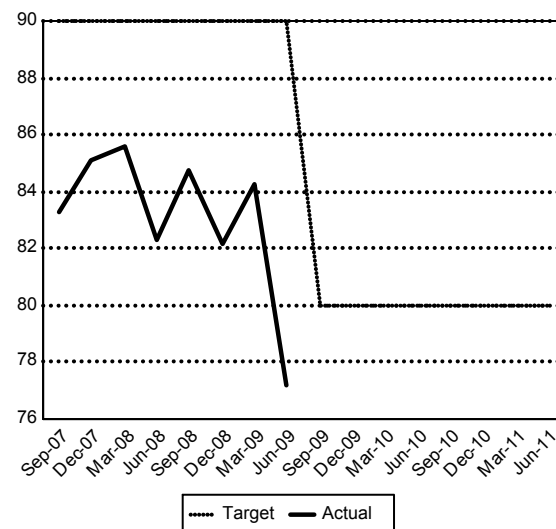
As of 10/7/2009

Fewer wastewater discharges and lower toxicity through administering the permit program for 2,300 permit holders. 101 National Pollution Discharge Elimination System wastewater discharge permits are issued or renewed each year. Permit backlog is reduced. New permit applicants get responses within 60 days. General permits are developed and managed on schedule for 1,500 dischargers. 700 site visits are done each year. 2,000 wastewater plant operators get certification. Communities get help increasing the production and use of reclaimed wastewater. Number of repeat violators (five or more violations per year) is reduced.

Percent of active water quality discharge permits (national pollutant discharge elimination system permits) that are up to date.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	80%		
	7th Qtr	80%		
	6th Qtr	80%		
	5th Qtr	80%		
	4th Qtr	80%		
	3rd Qtr	80%		
	2nd Qtr	80%		
	1st Qtr	80%		
2007-09	8th Qtr	90%	77.17%	(12.83)%
	7th Qtr	90%	84.29%	(5.71)%
	6th Qtr	90%	82.18%	(7.82)%
	5th Qtr	90%	84.73%	(5.27)%
	4th Qtr	90%	82.3%	(7.7)%
	3rd Qtr	90%	85.6%	(4.4)%
	2nd Qtr	90%	85.1%	(4.9)%
	1st Qtr	90%	83.3%	(6.7)%
90% target is based on an agreement with the federal Environmental Protection Agency. Permits that are not up to date are expired and in the process of being updated. Target is reduced in FY09-FY11 due to staff reductions.				

Date Measured: 6/30/2009

Refer to narrative justification.



A033 Prevent Oil Spills from Vessels and Oil Handling Facilities

Statewide Result Area: Improve the quality of Washington's natural resources
Statewide Strategy: Establish safeguards and standards to protect natural resources

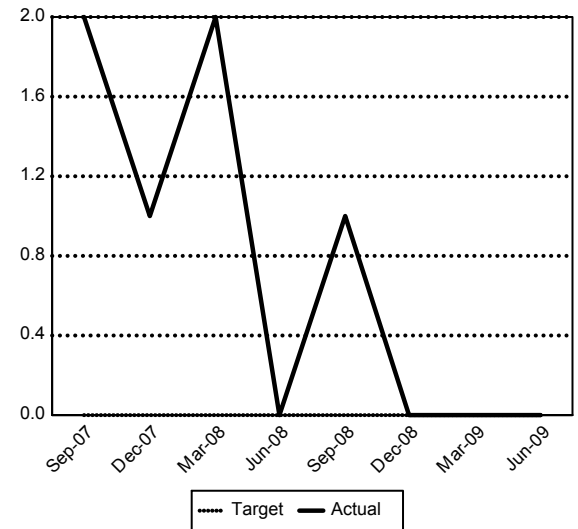
Expected Results

As of 10/7/2009

Oil spills from vessels and oil handling facilities are minimized and avoided through risk management, the Neah Bay Rescue Tugboat, and targeted inspections. Reduced number of spills where 25 or more gallons of oil enter surface waters. Reduced total volume of oil entering surface waters. Reduced percentage of vessel incidents that can lead to spills (e.g., power loss). Neah Bay rescue tug helps vessels as needed. Increased prevention emphasis on non-regulated tankers and tank barges. A study of the oil tanker escort system is initiated. Intentional waste oil discharges from vessels is eliminated.

Number of spills to surface waters during oil transfers with a threshold of 25 gals.				
Biennium	Period	Target	Actual	Variance
2007-09	8th Qtr	0	0	0
	7th Qtr	0	0	0
	6th Qtr	0	0	0
	5th Qtr	0	1	1
	4th Qtr	0	0	0
	3rd Qtr	0	2	2
	2nd Qtr	0	1	1
	1st Qtr	0	2	2
<i>This is a new measure the agency began tracking in calendar year 2007. This measures all spills during oil transfers with a volume threshold of 25 gals. The target is set at 0.</i>				

Date Measured: 6/30/2009



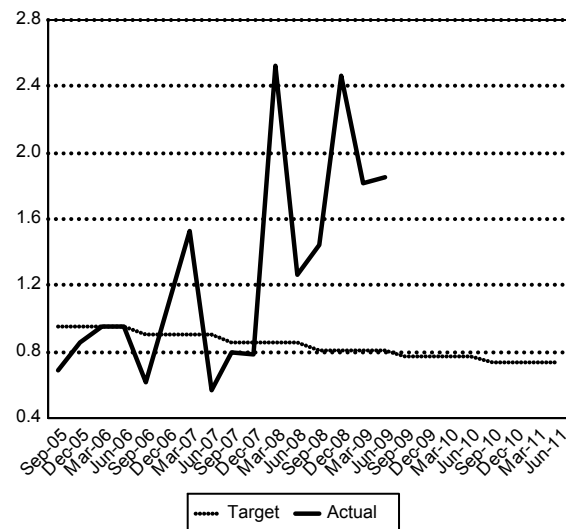
As of 10/7/2009

Percent of large regulated vessels entering state waters that have spills and casualties.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	0.74%		
	7th Qtr	0.74%		
	6th Qtr	0.74%		
	5th Qtr	0.74%		
	4th Qtr	0.77%		
	3rd Qtr	0.77%		
	2nd Qtr	0.77%		
	1st Qtr	0.77%		
2007-09	8th Qtr	0.81%	1.85%	1.04%
	7th Qtr	0.81%	1.82%	1.01%
	6th Qtr	0.81%	2.47%	1.66%
	5th Qtr	0.81%	1.44%	0.63%
	4th Qtr	0.86%	1.27%	0.41%
	3rd Qtr	0.86%	2.53%	1.67%
	2nd Qtr	0.86%	0.78%	(0.08)%
	1st Qtr	0.86%	0.8%	(0.06)%
2005-07	8th Qtr	0.9%	0.57%	(0.33)%
	7th Qtr	0.9%	1.53%	0.63%
	6th Qtr	0.9%	1.07%	0.17%
	5th Qtr	0.9%	0.62%	(0.28)%
	4th Qtr	0.95%	0.95%	0%
	3rd Qtr	0.95%	0.95%	0%
	2nd Qtr	0.95%	0.86%	(0.09)%
	1st Qtr	0.95%	0.69%	(0.26)%
Casualties include collision, grounding, loss of propulsion or steering, or occurrences affecting a vessel's seaworthiness. Regulated vessels are 300 gross tons, in commerce. Baseline is FY04-05 average, Estimates are based on a 5% reduction annually.				

Date Measured: 6/30/2009

Comment: 972 vessel arrivals

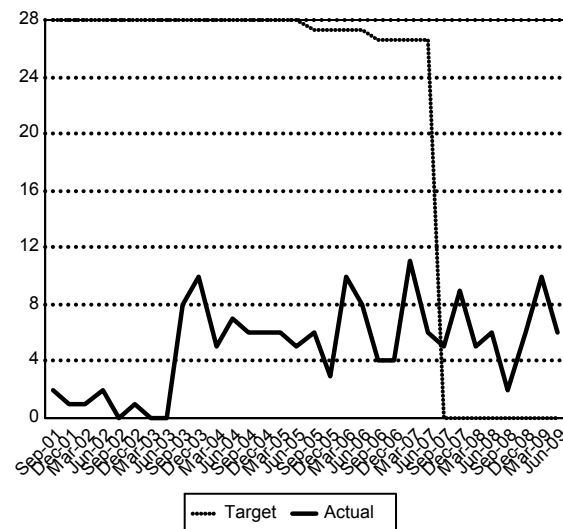
Refer to narrative justification.



As of 10/7/2009

Spills to surface water from all sources with a threshold of > 25 gallons.				
Biennium	Period	Target	Actual	Variance
2007-09	8th Qtr	0	6	6
	7th Qtr	0	10	10
	6th Qtr	0	6	6
	5th Qtr	0	2	2
	4th Qtr	0	6	6
	3rd Qtr	0	5	5
	2nd Qtr	0	9	9
	1st Qtr	0	5	5
2005-07	8th Qtr	26.6	6	(20.6)
	7th Qtr	26.6	11	(15.6)
	6th Qtr	26.6	4	(22.6)
	5th Qtr	26.6	4	(22.6)
	4th Qtr	27.3	8	(19.3)
	3rd Qtr	27.3	10	(17.3)
	2nd Qtr	27.3	3	(24.3)
	1st Qtr	27.3	6	(21.3)
<p>The target is set at zero to be consistent with legislative mandate for zero spills goal. Historical targets were based on a percentage (2.5%) of the previous bieninum actual numbers.</p> <p>FY 01-03 data is for only regulated vessels spills over 25 gallons. From FY04 to current, the universe of vessels includes regulated and non-regulated.</p>				

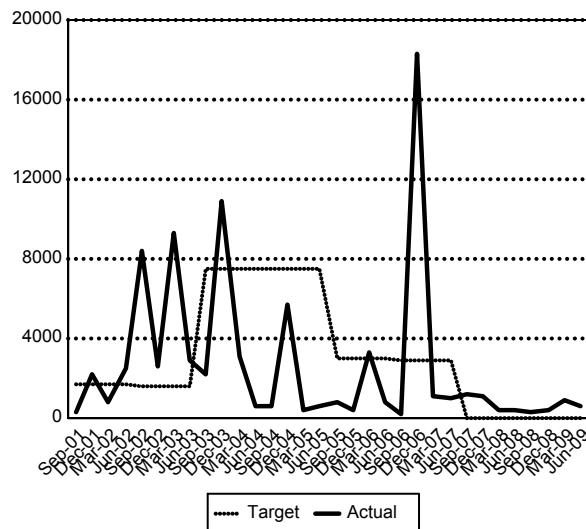
Date Measured: 6/30/2009



As of 10/7/2009

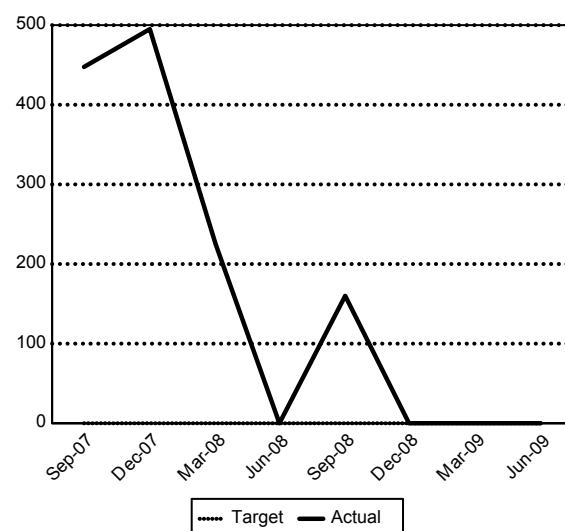
Total volume of oil that enters surface waters from spills > 25 gallons from all sources.				
Biennium	Period	Target	Actual	Variance
2007-09	8th Qtr	0	606	606
	7th Qtr	0	870	870
	6th Qtr	0	362	362
	5th Qtr	0	261	261
	4th Qtr	0	374	374
	3rd Qtr	0	417	417
	2nd Qtr	0	1,054	1,054
	1st Qtr	0	1,227	1,227
2005-07	8th Qtr	2,945	1,010	(1,935)
	7th Qtr	2,945	1,078	(1,867)
	6th Qtr	2,945	18,333	15,388
	5th Qtr	2,945	187	(2,758)
	4th Qtr	3,020	825	(2,195)
	3rd Qtr	3,020	3,318	298
	2nd Qtr	3,020	450	(2,570)
	1st Qtr	3,020	751	(2,269)
<p>The target is set at zero to be consistent with legislative mandate for zero spills goal. Historical targets were based on a percentage (2.5%) of the previous biennium actual volume spilled.</p> <p>The FY 01-03 data is for only regulated vessel spills over 25 gallons. From FY04 to current, the universe of vessels includes regulated and non-regulated.</p>				

Date Measured: 6/30/2009



Volume of oil spilled to surface waters during oil transfers with a threshold of 25 gals.				
Biennium	Period	Target	Actual	Variance
2007-09	8th Qtr	0	0	0
	7th Qtr	0	0	0
	6th Qtr	0	0	0
	5th Qtr	0	161	161
	4th Qtr	0	0	0
	3rd Qtr	0	226	226
	2nd Qtr	0	496	496
	1st Qtr	0	448	448
<p>This is a new measure the agency began tracking in calendar year 2007. The target is set at 0.</p>				

Date Measured: 6/30/2009



As of 10/7/2009

A034 Prevent Unhealthy Air and Violations of Air Quality Standards

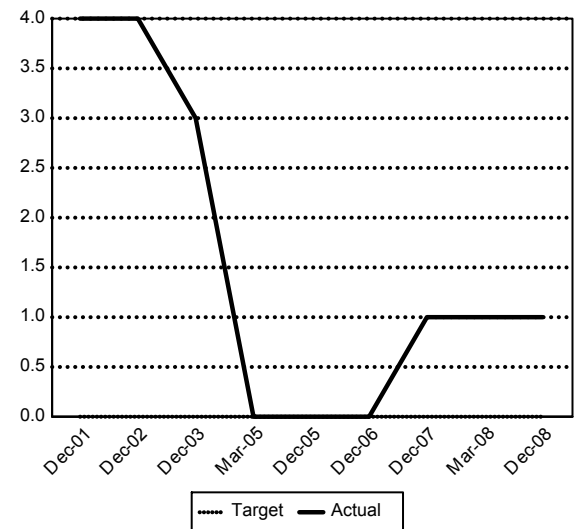
Statewide Result Area: Improve the quality of Washington's natural resources
Statewide Strategy: Establish safeguards and standards to protect natural resources

Expected Results

Air quality standards in Washington are met throughout the state to minimize public health problems associated with unsafe air. Federal sanctions are avoided. Measured air quality is good for 85 percent of all days and 99 percent of all measurements. Clean air as classified and officially recognized by the Environmental Protection Agency is attained and maintained. Violations of ambient air quality standards are prevented. Strategies are designed and implemented to address fine particle that are small enough to lodge in the lungs when breathed in eastern Washington. Statewide, health-based goals for fine particle and ozone pollutants are adopted. Goals are communicated to the public, and are used to identify areas of concern, allocate resources, and implement strategies to reduce the human health effects of air pollution throughout Washington.

Number of areas in Washington measuring air quality levels that are not in compliance with federal air quality standards.				
Biennium	Period	Target	Actual	Variance
2007-09	6th Qtr	0	1	1
	3rd Qtr	0	1	1
	2nd Qtr	0	1	1
2005-07	6th Qtr	0	0	0
	2nd Qtr	0	0	0
<p><i>This is the number of areas designated "nonattainment" (out of compliance) by EPA. The goal is zero. In the 1990s, 13 areas were nonattainment. By 2005, all 13 areas were in compliance. More stringent federal standards for fine particle and ozone pollution will cause new nonattainment areas. EPA draft rule proposes the Puyallup River-Wapato Hills nonattainment area for part of Pierce County. Rule will be final by Dec 17, 2008, effective date is Mar 17, 2009.</i></p>				

Comment: PM 2.5 (fine particles in the air under 2.5 microns in size) Puyallup River Valley-Wapato Hills in Pierce County

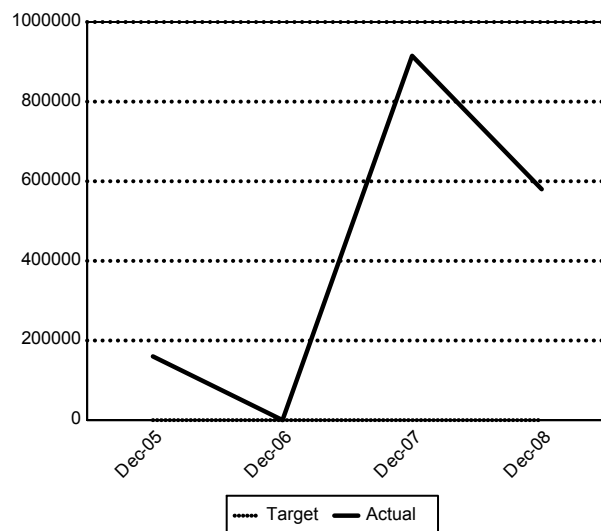


As of 10/7/2009

Number of citizens exposed to levels of pollution that exceed federal air quality standards.				
Biennium	Period	Target	Actual	Variance
2007-09	6th Qtr	0	579,088	579,088
	2nd Qtr	0	915,200	915,200
2005-07	6th Qtr	0	1,200	1,200
	2nd Qtr	0	161,000	161,000

This is the estimated number number of people that live in areas where monitors have recorded measurements in excess of the federal standard. Populations are only counted once, even if there are multiple excursions above the standard during the reporting period. The goal for this measure is that no citizens should be exposed to air quality measured above national ambient air quality standards.

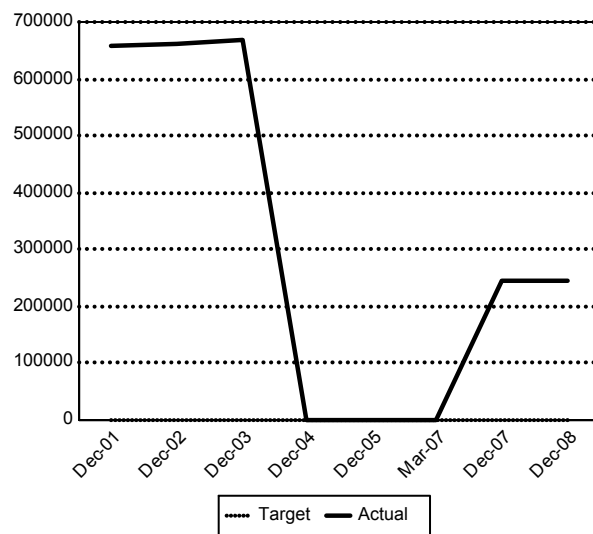
Date Measured: 12/31/2008



Number of citizens living in areas that are not in attainment with federal air quality standards.				
Biennium	Period	Target	Actual	Variance
2007-09	6th Qtr	0	245,000	245,000
	2nd Qtr	0	245,000	245,000
2005-07	7th Qtr	0	0	0
	2nd Qtr	0	0	0

Represents the number of people living within areas designated nonattainment by the U.S. Environmental Protection Agency (USEPA). Formal designation will likely not occur until December 2008. The goal is that no people would live in areas that are out of compliance with federal ambient air quality standards (the targets were changed to 0 to reflect that goal).

Date Measured: 12/31/2008



As of 10/7/2009

Refer to narrative justification.

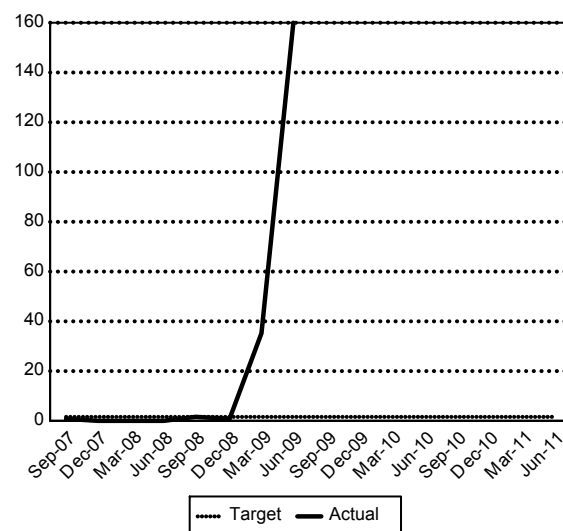
A035 Promote Compliance with Water Laws**Statewide Result Area:** Improve the quality of Washington's natural resources**Statewide Strategy:** Preserve, maintain and restore natural systems and landscapes**Expected Results**

Increased awareness of, and compliance with, the state's water laws so that legal water users and applicants for water rights are not impaired, water use remains sustainable, and the environment is protected. Ninety percent of water is metered and reported in 16 critical water basins. Water right holders receive compliance information, assistance, and strategic enforcement action. Water use on streams with flows set is regulated during periods of low flows.

Number of compliance actions for water management (non-metering)				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	2		
	7th Qtr	2		
	6th Qtr	2		
	5th Qtr	2		
	4th Qtr	2		
	3rd Qtr	2		
	2nd Qtr	2		
	1st Qtr	2		
2007-09	8th Qtr	2	160	158
	7th Qtr	2	35	33
	6th Qtr	2	1	(1)
	5th Qtr	2	2	0
	4th Qtr	2	0	(2)
	3rd Qtr	2	0	(2)
	2nd Qtr	2	0	(2)
	1st Qtr	2	1	(1)
<i>Actions respond to issues as they arise. Efforts focus on assistance, education, etc. to avoid need for compliance actions. Measure is the number of water resources compliance actions taken, including water rights, but not including metering.</i>				

Date Measured: 7/28/2009

Comment: Orders issued - 146 to curtail interruptible rights; 13 cancellations, & 1 relinquishment.



Refer to narrative justification.

As of 10/7/2009

A036 Protect and Manage Shorelines in Partnership with Local Governments

Statewide Result Area: **Improve the quality of Washington's natural resources****Statewide Strategy:** **Establish safeguards and standards to protect natural resources****Expected Results**

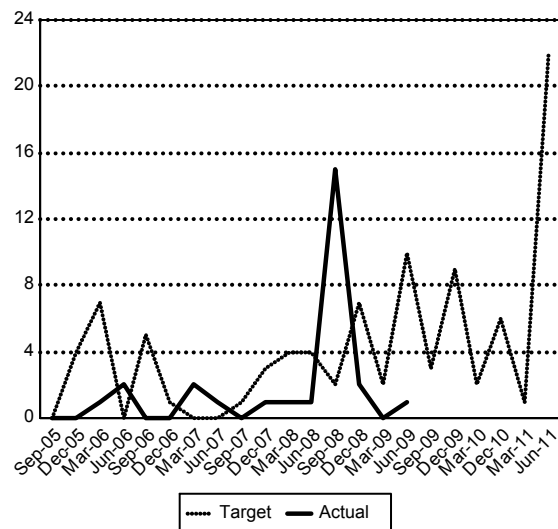
Shorelines of the state are protected, restored and managed consistent with state and local laws. Local governments get technical and financial assistance to update their shoreline master programs. Permits approved by local governments are consistent with their shoreline master programs.

As of 10/7/2009

Number of the communities (cities and counties) that have submitted updated Shoreline Master Plans.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	22		
	7th Qtr	1		
	6th Qtr	6		
	3rd Qtr	2		
	2nd Qtr	9		
	1st Qtr	3		
2007-09	8th Qtr	10	1	(9)
	7th Qtr	2	0	(2)
	6th Qtr	7	2	(5)
	5th Qtr	2	15	13
	4th Qtr	4	1	(3)
	3rd Qtr	4	1	(3)
	2nd Qtr	3	1	(2)
	1st Qtr	1	0	(1)
2005-07	8th Qtr	0	1	1
	7th Qtr	0	2	2
	6th Qtr	1	0	(1)
	5th Qtr	5	0	(5)
	4th Qtr	0	2	2
	3rd Qtr	7	1	(6)
	2nd Qtr	4	0	(4)
	1st Qtr	0	0	0
<i>Shoreline Master Programs (SMPs) are taking longer to complete than originally expected. All local governments with shorelines are required to update their SMP according to a schedule outlined in the Shoreline Management Act. Due to challenges of adopting these local land-use plans consistent with new state rules, some jurisdictions are not meeting the three year deadline. Ecology is identifying actions to improve timeliness.</i>				

Date Measured: 7/13/2009

Refer to narrative justification.



A037 Protect Water Quality by Reviewing and Conditioning Construction Projects

Statewide Result Area: Improve the quality of Washington's natural resources
 Statewide Strategy: Establish safeguards and standards to protect natural resources

As of 10/7/2009

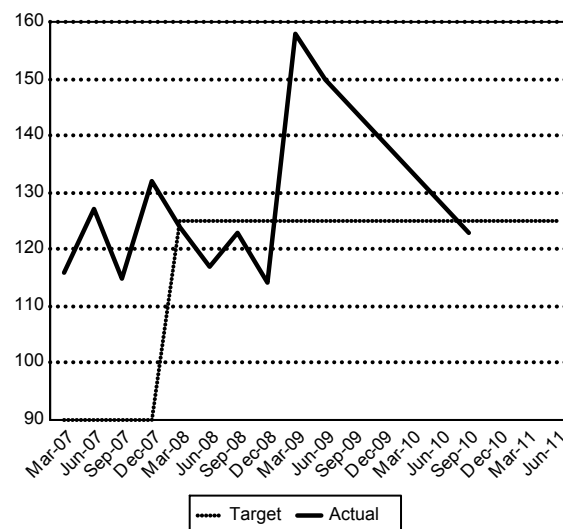
Expected Results

Water quality, habitat, and aquatic life are protected and managed consistent with federal, state, and local laws. Applicants get technical help on reducing impacts and permit issues. Decisions are timely, thorough, and consistent. The average number of days it takes to make a 401 permit certification decision is reduced. Projects comply with permit conditions.

Refer to narrative justification.

The number of days it takes to make a final decision on 401 water quality certifications.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	125		
	7th Qtr	125		
	6th Qtr	125		
	5th Qtr	125	123	(2)
	4th Qtr	125		
	3rd Qtr	125		
	2nd Qtr	125		
	1st Qtr	125		
2007-09	8th Qtr	125	150	25
	7th Qtr	125	158	33
	6th Qtr	125	114	(11)
	5th Qtr	125	123	(2)
	4th Qtr	125	117	(8)
	3rd Qtr	125	124	(1)
	2nd Qtr	90	132	42
	1st Qtr	90	115	25
2005-07	8th Qtr	90	127	37
	7th Qtr	90	116	26
Baseline is 112 days. The 20% reduction in number of days was not a feasible target. The statutory timeframe is 365 days. The new target (as of January 1, 2008) is 125 days. This measure is part of the Cabinet Strategic Action Plan.				

Date Measured: 11/3/2008

**A038 Protect, Restore, and Manage Wetlands**

Statewide Result Area: Improve the quality of Washington's natural resources
Statewide Strategy: Preserve, maintain and restore natural systems and landscapes

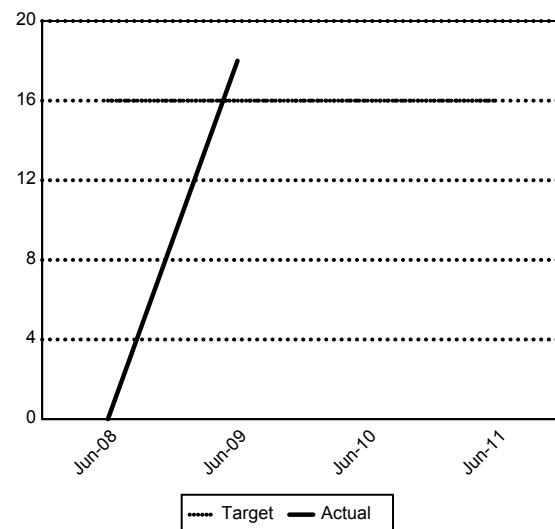
Expected Results

As of 10/7/2009

Wetlands are protected, restored and managed consistent with state and local permits and laws. Local governments and other parties get technical assistance to carry out local wetland protection efforts. Wetland losses are fully replaced by improving the success rate of wetland mitigation. Approved mitigation achieves compliance through meaningful performance standards, and monitoring project success.

Average time to establish a wetland bank (in months).				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	16		
	4th Qtr	16		
2007-09	8th Qtr	16	18	2
	4th Qtr	16	0	(16)
<p><i>Target is 16 months and is based on the program goal to reduce the average time by 30%. Annual measure new in 2008.</i></p>				

Date Measured: 7/31/2009

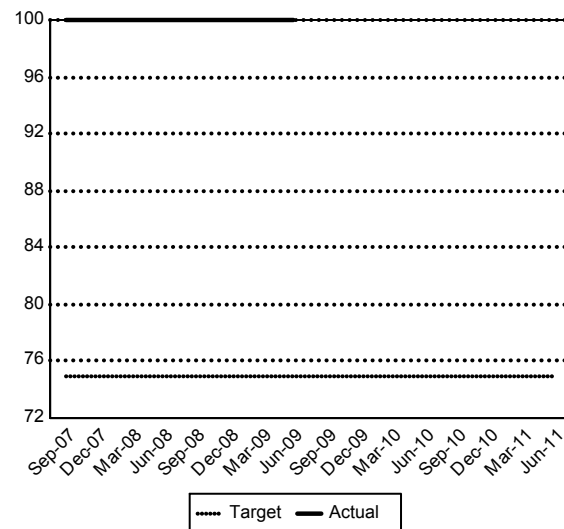


As of 10/7/2009

Percent of mitigation sites inspected within 18 months after receipt of as-built reports.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	75%		
	7th Qtr	75%		
	6th Qtr	75%		
	5th Qtr	75%		
	4th Qtr	75%		
	3rd Qtr	75%		
	2nd Qtr	75%		
	1st Qtr	75%		
2007-09	8th Qtr	75%	100%	25%
	7th Qtr	75%	100%	25%
	6th Qtr	75%	100%	25%
	5th Qtr	75%	100%	25%
	4th Qtr	75%	100%	25%
	3rd Qtr	75%	100%	25%
	2nd Qtr	75%	100%	25%
	1st Qtr	75%	100%	25%
<i>Target is 75% and is based on planning projections and current resources. An "as-built" is a site plan that is drawn after all work is completed at a mitigation site. For example, it shows location of vegetation, water bodies, elevation change, and other land features.</i>				

Date Measured: 7/31/2009

Refer to narrative justification.



A039 Provide Technical and Financial Assistance for Local Watershed Planning and Implementation

Statewide Result Area: Improve the quality of Washington's natural resources

Statewide Strategy: Preserve, maintain and restore natural systems and landscapes

Expected Results

Future in-stream and out-of-stream needs are managed consistent with adopted watershed plans. Local planning groups get technical and financial assistance for plan implementation and updates. Local, state, and tribal organizations and stakeholders participate in solving water issues.

As of 10/7/2009

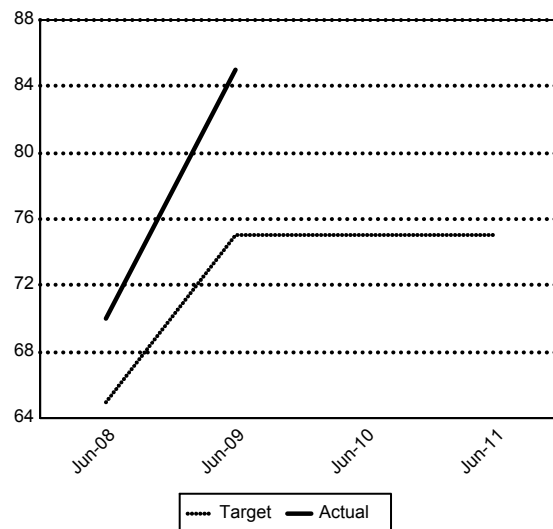
Percent of Watershed Planning Units in Phase 4 - Plan Implementation.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	75%		
	4th Qtr	75%		
2007-09	8th Qtr	75%	85%	10%
	4th Qtr	65%	70%	5%

'Watershed Planning Units' are defined in RCW 90.82. 'Watershed Planning' refers to a local planning process focused on water resources. Plans address water quantity, water quality, instream flows, fish habitat, water storage, and water for future growth. This work is funded by appropriations from the Legislature to Ecology for grants to local planning units. Planning units can address one or more water resource inventory areas (WRIAs). Annual measure.

Date Measured: 7/13/2009

Comment: Base of 34 Planning Units with 29 Planning Units in Phase 4; This is not statewide coverage since not all state WRISs have watershed planning units involve in Chapter 90.82 RCW.

Refer to narrative justification.



A040 Provide Technical and Financial Assistance to Local Governments to Reduce Flood Hazards

Statewide Result Area: Improve the quality of Washington's natural resources
Statewide Strategy: Establish safeguards and standards to protect natural resources

Expected Results

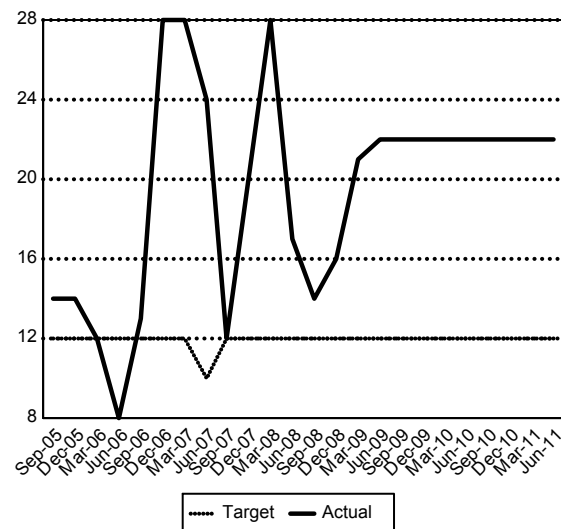
Local flood hazard management plans and flood control projects reduce flood damage to property and the environment. Local governments get technical and financial help to maintain flood management programs and respond to flooding. Flood-prone communities are better prepared for responding to flooding emergencies.

As of 10/7/2009

Number of flood-prone communities receiving direct support on regulatory issues, flood hazard reduction, and the protection of floodplain functions and values.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	12	22	10
	7th Qtr	12		
	6th Qtr	12		
	5th Qtr	12		
	4th Qtr	12		
	3rd Qtr	12		
	2nd Qtr	12		
	1st Qtr	12		
2007-09	8th Qtr	12	22	10
	7th Qtr	12	21	9
	6th Qtr	12	16	4
	5th Qtr	12	14	2
	4th Qtr	12	17	5
	3rd Qtr	12	28	16
	2nd Qtr	12	20	8
	1st Qtr	12	12	0
2005-07	8th Qtr	10	24	14
	7th Qtr	12	28	16
	6th Qtr	12	28	16
	5th Qtr	12	13	1
	4th Qtr	12	8	(4)
	3rd Qtr	12	12	0
	2nd Qtr	12	14	2
	1st Qtr	12	14	2
Target is based on trends.				

Date Measured: 7/31/2009

Refer to narrative justification.



A041 Provide Technical Assistance on State Environmental Policy Act (SEPA) Review

Statewide Result Area: Improve the quality of Washington's natural resources

Statewide Strategy: Provide good science and natural resource monitoring data to support decision-making

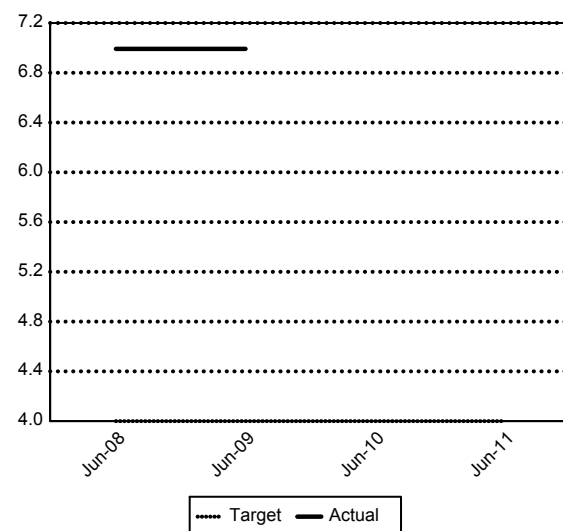
Expected Results

As of 10/7/2009

The public has input into projects that may have environmental impact. Local governments and state agencies get technical assistance on how to apply SEPA in their communities. Local and state decision makers use the SEPA process to analyze and mitigate environmental impacts of proposals.

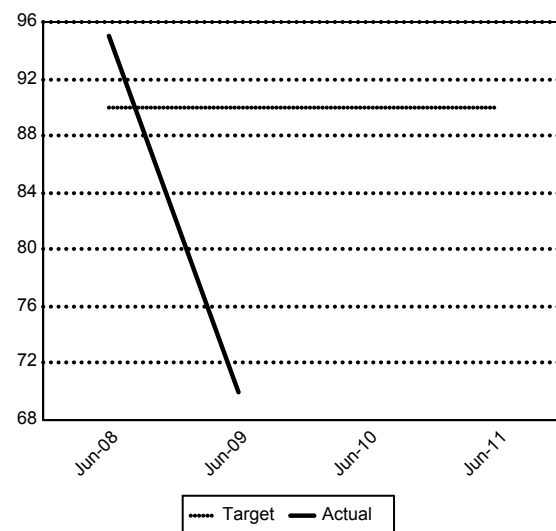
Number of State Environmental Policy Act workshops provided.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	4		
	4th Qtr	4		
2007-09	8th Qtr	4	7	3
	4th Qtr	4	7	3
Target is based on current resources. Target is 4 workshop per year. Annual measure.				

Date Measured: 7/31/2009



Percent of State Environmental Policy Act workshop participants who said they intend to apply what they learned in their work.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	90%		
	4th Qtr	90%		
2007-09	8th Qtr	90%	70%	(20)%
	4th Qtr	90%	95%	5%
Target is based on trend of other professional trainings done by SEA Program. Target is 90%. Annual measure.				

Date Measured: 7/31/2009



Refer to narrative justification.

A042 Provide Technical Training, Education, and Research through Padilla Bay Estuarine Reserve

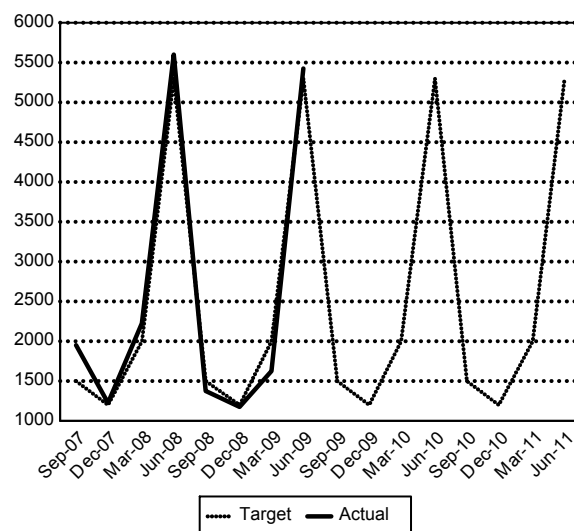
As of 10/7/2009

Statewide Result Area: Improve the quality of Washington's natural resources**Statewide Strategy:** Improve individual practices and choices about natural resources**Expected Results**

The Padilla Bay Reserve is managed and maintained in a cost-efficient and effective way to provide public education, training, and scientific research and monitoring. Students, teachers, professionals, and researchers participate in education and training programs. Coastal ecosystem research is carried out and shared with government and academic organizations. Coastal and land-use managers and planners are trained to carry out environmental policies and rules in Western Washington. Volunteers and professionals carry out Puget Sound restoration activities, including derelict gear removal, marine debris collection, and habitat enhancements.

Number of teachers, students, adults, and professionals participating in Puget Sound education and training programs at the Padilla Bay Reserve.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	5,300		
	7th Qtr	2,000		
	6th Qtr	1,200		
	5th Qtr	1,500		
	4th Qtr	5,300		
	3rd Qtr	2,000		
	2nd Qtr	1,200		
	1st Qtr	1,500		
2007-09	8th Qtr	5,300	5,435	135
	7th Qtr	2,000	1,617	(383)
	6th Qtr	1,200	1,173	(27)
	5th Qtr	1,500	1,380	(120)
	4th Qtr	5,300	5,590	290
	3rd Qtr	2,000	2,223	223
	2nd Qtr	1,200	1,221	21
	1st Qtr	1,500	1,943	443
Target is based on trends and normal variation.				

Date Measured: 7/31/2009

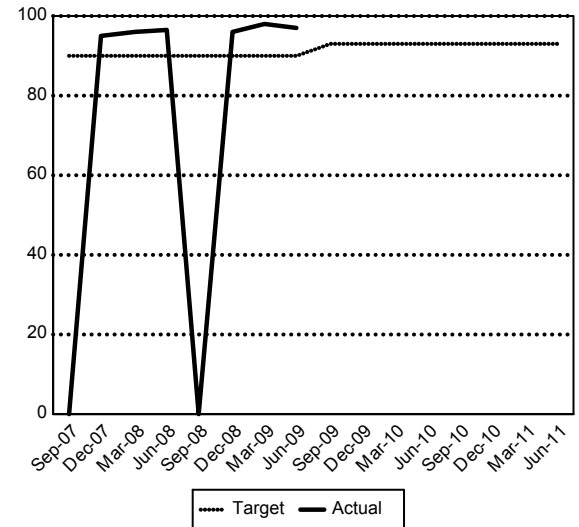


As of 10/7/2009

Percent of Puget Sound and coastal training workshop participants who said they intend to apply what they learned in their work.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	93%		
	7th Qtr	93%		
	6th Qtr	93%		
	5th Qtr	93%		
	4th Qtr	93%		
	3rd Qtr	93%		
	2nd Qtr	93%		
	1st Qtr	93%		
2007-09	8th Qtr	90%	97%	7%
	7th Qtr	90%	98%	8%
	6th Qtr	90%	96%	6%
	5th Qtr	90%	0%	(90)%
	4th Qtr	90%	96.5%	6.5%
	3rd Qtr	90%	96%	6%
	2nd Qtr	90%	95%	5%
	1st Qtr	90%	0%	(90)%
Target is based on trends and on the number of trainings held each quarter.				

Date Measured: 7/31/2009

Refer to narrative justification.



A043 Provide Water Quality Financial Assistance

Statewide Result Area: Improve the quality of Washington's natural resources

Statewide Strategy: Establish safeguards and standards to protect natural resources

Expected Results

Public funds dedicated to improving water quality is managed responsibly to protect public health and the environment. Water quality is improved by awarding \$100 million in water quality grants and loans per year to local communities. Seventy-two new grants and loans are awarded per year for projects under existing and ongoing financial assistance programs that demonstrate clear benefits for the environment. 140 additional grants are awarded in Fiscal Year 2008 for stormwater projects, based on newly appropriated funds. 390 existing grants and loans are managed per year. Local governments get support through implementing revised grant and loan program rules that address updated water quality needs, the State Revolving Fund loan program perpetuity, balanced funding allocations, and design-build alternative contracting options. Environmental benefits are documented and illustrated through data generated from grants and loans. Grant and loan timing expectations are met and address readiness to proceed, timely project initiation after award, and timely use of grant and loan dollars to improve water quality.

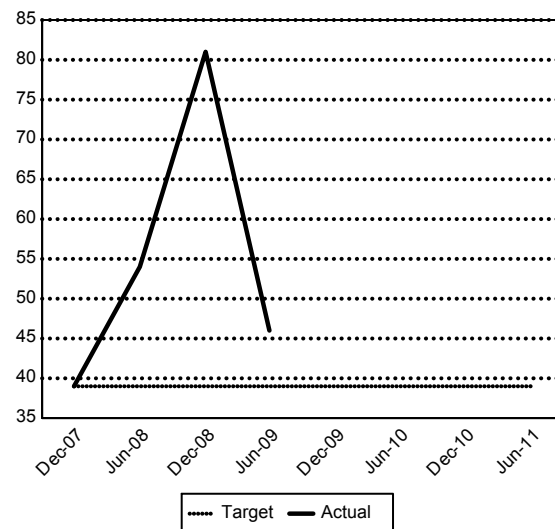
As of 10/7/2009

Number of funded on-site sewage system repairs or replacements completed in Puget Sound counties.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	39		
	6th Qtr	39		
	4th Qtr	39		
	2nd Qtr	39		
2007-09	8th Qtr	39	46	7
	6th Qtr	39	81	42
	4th Qtr	39	54	15
	2nd Qtr	39	39	0
Semi-annual performance measure.				

Date Measured: 6/30/2009

Comment: 46 systems repaired or replaced in 7 counties.

Refer to narrative justification.



A044 Provide Water Resources Data and Information

Statewide Result Area: Improve the quality of Washington's natural resources

Statewide Strategy: Provide good science and natural resource monitoring data to support decision-making

Expected Results

Sound water management is supported. Improved agreement and more informed water resources decisions are based on increasingly timely and accurate data and improved public access to information. Data and information systems are developed and maintained by increasing the numbers of external users (watershed groups, conservancy boards, businesses, etc.). Improved collection, preservation, and availability of data and information for water allocation, dam safety, well construction, instream flows and communication.

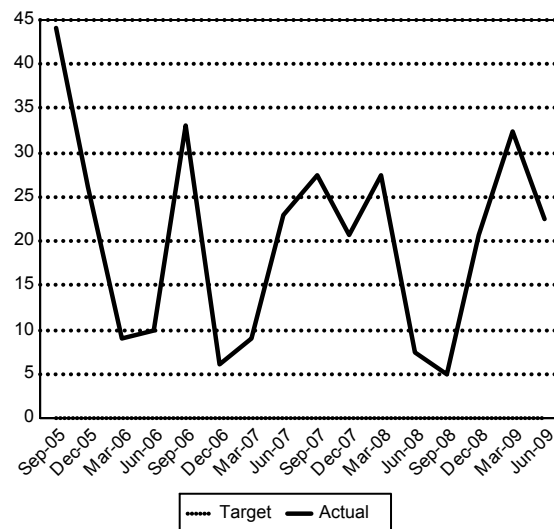
As of 10/7/2009

Percent of monitored stream flows BELOW critical flow levels.				
Biennium	Period	Target	Actual	Variance
2007-09	8th Qtr	0%	22.5%	22.5%
	7th Qtr	0%	32.5%	32.5%
	6th Qtr	0%	20.8%	20.8%
	5th Qtr	0%	5%	5%
	4th Qtr	0%	7.5%	7.5%
	3rd Qtr	0%	27.5%	27.5%
	2nd Qtr	0%	20.8%	20.8%
	1st Qtr	0%	27.5%	27.5%
2005-07	8th Qtr	0%	23%	23%
	7th Qtr	0%	9%	9%
	6th Qtr	0%	6%	6%
	5th Qtr	0%	33%	33%
	4th Qtr	0%	10%	10%
	3rd Qtr	0%	9%	9%
	2nd Qtr	0%	26%	26%
	1st Qtr	0%	44%	44%
Critical low flows are defined as the 20th percentile of historic flow for the measured date. The target is set at 0% because we do not want any stream flows below critical flow levels.				

Date Measured: 6/30/2009

Comment: Based on end-of month flows at 40 representative stations.

Refer to narrative justification.



A045 Reduce Air Pollution from Industrial and Commercial Sources

Statewide Result Area: Improve the quality of Washington's natural resources
Statewide Strategy: Establish safeguards and standards to protect natural resources

Expected Results

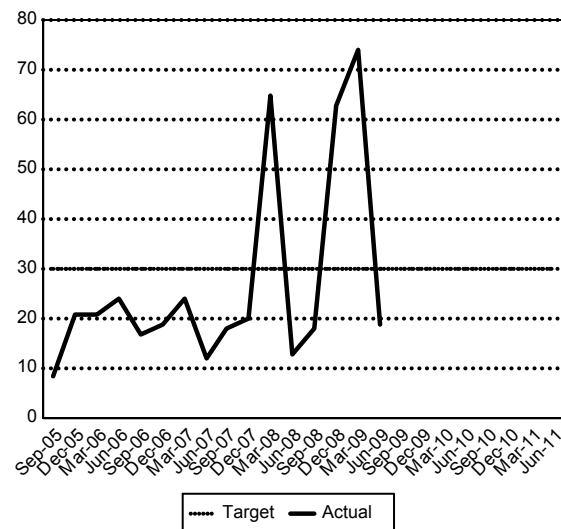
Air pollution from industrial and commercial sources is managed to protect public health and minimize costs and regulatory burdens. At least 10,000 tons of air emissions per year are reduced through permit conditions. 100 percent of permits meet timeliness targets. The regulated community is certain about the need, content, and timeframes for permits. Permits are processed faster. Local air pollution control agencies retain delegation and local control of federal permit programs.

As of 10/7/2009

Average Notice of Construction permit processing time (days).				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	30		
	7th Qtr	30		
	6th Qtr	30		
	5th Qtr	30		
	4th Qtr	30		
	3rd Qtr	30		
	2nd Qtr	30		
	1st Qtr	30		
2007-09	8th Qtr	30	19	(11)
	7th Qtr	30	74	44
	6th Qtr	30	63	33
	5th Qtr	30	18	(12)
	4th Qtr	30	13	(17)
	3rd Qtr	30	65	35
	2nd Qtr	30	20	(10)
	1st Qtr	30	18	(12)
2005-07	8th Qtr	30	12	(18)
	7th Qtr	30	24	(6)
	6th Qtr	30	19	(11)
	5th Qtr	30	17	(13)
	4th Qtr	30	24	(6)
	3rd Qtr	30	21	(9)
	2nd Qtr	30	21	(9)
	1st Qtr	30	8.5	(21.5)
Number of days required to finalize a permit from draft status after any required public comment period.				

Date Measured: 7/29/2009

Refer to narrative justification.



A047 Reduce Health and Environmental Threats from Motor Vehicle Emissions

Statewide Result Area: Improve the quality of Washington's natural resources
 Statewide Strategy: Establish safeguards and standards to protect natural resources

Expected Results

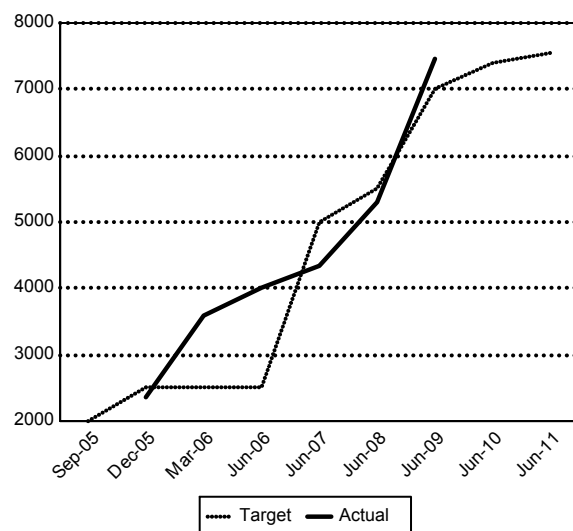
As of 10/7/2009

Pollution from approximately 2 million cars is prevented by operating an Inspection and Maintenance Program in three maintenance areas in the state. Diesel school buses and public fleet engines are retrofitted with appropriate air pollution controls. Strategies to reduce engine idling in high exposure areas (near schools and around truck stops) are developed and implemented.

Number of diesel vehicles (school buses and public sector equipment) retrofitted with pollution control equipment.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	7,550		
	4th Qtr	7,400		
2007-09	8th Qtr	7,000	7,447	447
	4th Qtr	5,500	5,307	(193)
2005-07	8th Qtr	5,000	4,346	(654)
	4th Qtr	2,500	4,000	1,500
	3rd Qtr	2,500	3,581	1,081
	2nd Qtr	2,500	2,360	(140)
	1st Qtr	2,000		
Performance measured annually.				

Date Measured: 7/31/2009

Refer to narrative justification.



As of 10/7/2009

Tons of diesel soot emissions produced in counties contiguous to Puget Sound.				
Biennium	Period	Target	Actual	Variance
2009-11	6th Qtr	3,244		
	2nd Qtr	3,379		
2007-09	6th Qtr	3,520	3,696	176
	2nd Qtr	3,680	3,410	(270)
2005-07	6th Qtr	3,840		
	2nd Qtr	4,001	4,001	0

Tons of diesel fine particle pollution (diesel soot) emitted from all sources (on-road, off-road, rail and marine) based on modeled emission inventories for counties contiguous to Puget Sound. Counties include Whatcom, Skagit, Island, Snohomish, King, Pierce, Thurston, Mason, Kitsap, Jefferson, and San Juan.

Date Measured: 12/31/2008

Comment: Diesel soot contains both coarse and fine particulate.

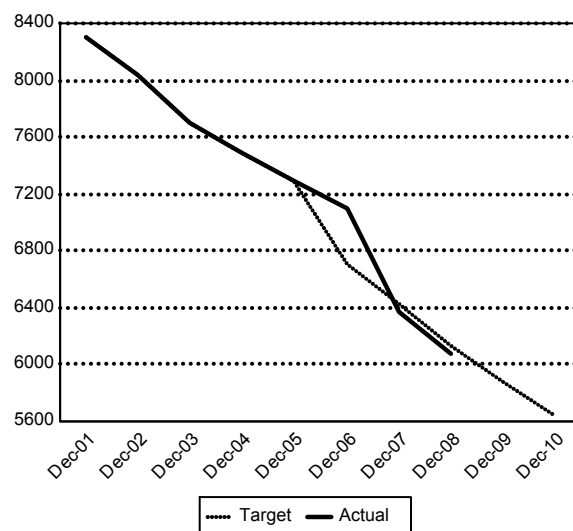
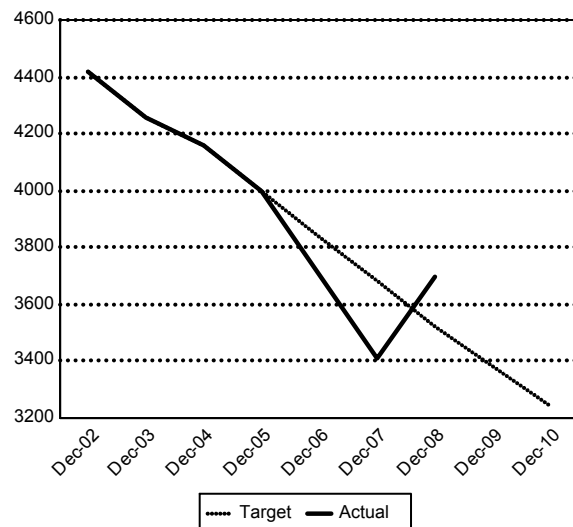
Previously reported tonnage was for fine particulate only.

Beginning 2008, both fine and coarse particles are reported.

Tons of diesel soot emissions produced statewide.				
Biennium	Period	Target	Actual	Variance
2009-11	6th Qtr	5,648		
	2nd Qtr	5,883		
2007-09	6th Qtr	6,128	6,080	(48)
	2nd Qtr	6,420	6,377	(43)
2005-07	6th Qtr	6,712	7,105	393
	2nd Qtr	7,294	7,294	0

Tons of diesel fine particle pollution (diesel soot) emitted from all sources (on-road, off-road, rail, and marine) based on modeled emission inventories.

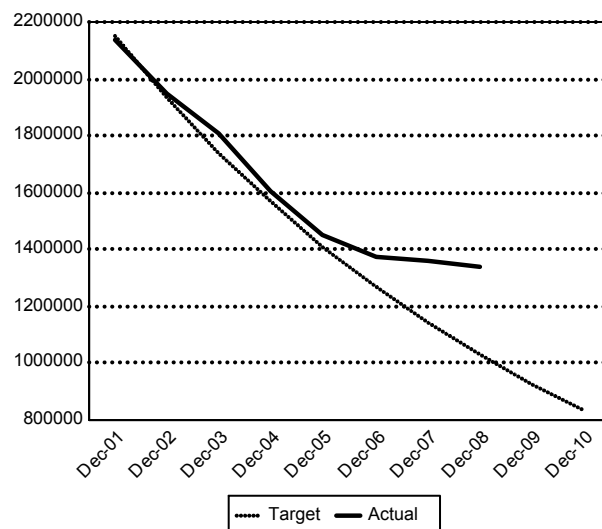
Date Measured: 12/31/2008



As of 10/7/2009

Tons of motor vehicle emissions produced statewide.				
Biennium	Period	Target	Actual	Variance
2009-11	6th Qtr	832,972		
	2nd Qtr	925,525		
2007-09	6th Qtr	1,028,361	1,341,292	312,931
	2nd Qtr	1,142,623	1,360,055	217,432
2005-07	6th Qtr	1,269,581	1,372,873	103,292
	2nd Qtr	1,410,646	1,451,129	40,483

Total tons of vehicular emissions of pollutants based on statewide Vehicle Miles Traveled (VMT) and modeled emissions of the state's motorized fleet. Does not include green house gas emissions. Targets represent a 10% emission reduction per year beginning from 2001 emissions.



Date Measured: 12/31/2008

Comment: based on 153,583,229 Average Daily Vehicle Miles Traveled

A048 Reduce Health and Environmental Threats from Smoke

Statewide Result Area: Improve the quality of Washington's natural resources

Statewide Strategy: Establish safeguards and standards to protect natural resources

Expected Results

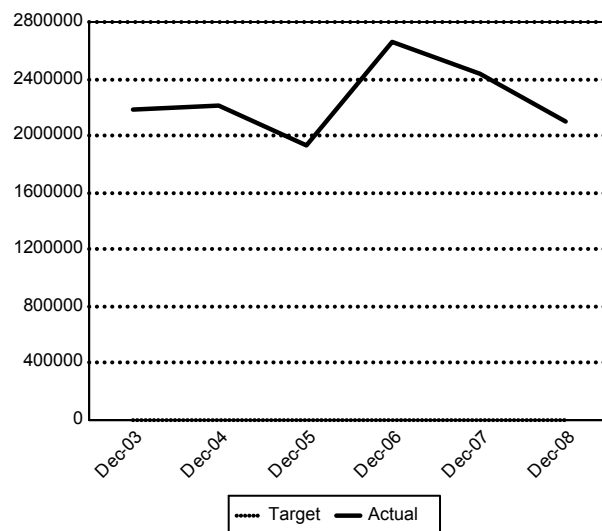
Public health threats from smoke and dust are managed and minimized. Smoke impacts on communities from cereal grain stubble burning are reduced. Outdoor burning permit and smoke management systems are improved and streamlined. Local burning permit programs are audited to ensure effective and efficient operation. Practical alternatives and best management practices for burning are developed and used. Alternatives to back yard burning are identified and implemented through work with communities. technical assistance and demonstration projects.

As of 10/7/2009

Number of citizens exposed to air quality that does not meet "healthy" levels for fine particle pollution.				
Biennium	Period	Target	Actual	Variance
2007-09	6th Qtr	0	2,100,000	2,100,000
	2nd Qtr	0	2,430,000	2,430,000
2005-07	6th Qtr	0	2,660,000	2,660,000
	2nd Qtr	0	1,933,000	1,933,000

This is the estimated number of people that live in areas where monitors have recorded measurements in excess of Ecology's "healthy" goal level (20 micrograms of fine particles per cubic meter of air). Populations are only counted once, even if there are multiple excursions above the goal during the reporting period.

Date Measured: 12/31/2008

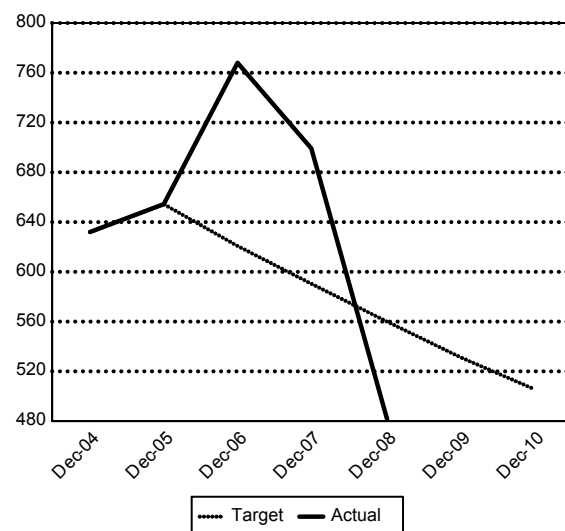


Number of times fine particle pollution is measured above a "healthy" level.				
Biennium	Period	Target	Actual	Variance
2009-11	6th Qtr	505		
	2nd Qtr	532		
2007-09	6th Qtr	560	482	(78)
	2nd Qtr	590	699	109
2005-07	6th Qtr	621	768	147
	2nd Qtr	654	654	0

Represents the number of times that monitors in communities around the state measure fine particle pollution above a "healthy" level established by the Department of Ecology (levels that exceed 20 micrograms of fine particle pollution per cubic meter of air averaged over a 24-hour period). Targets represent a 5% reduction per year beginning in 2005.

Date Measured: 4/30/2009

Comment: Validated fourth quarter data was not available until 90 days after close of calendar year



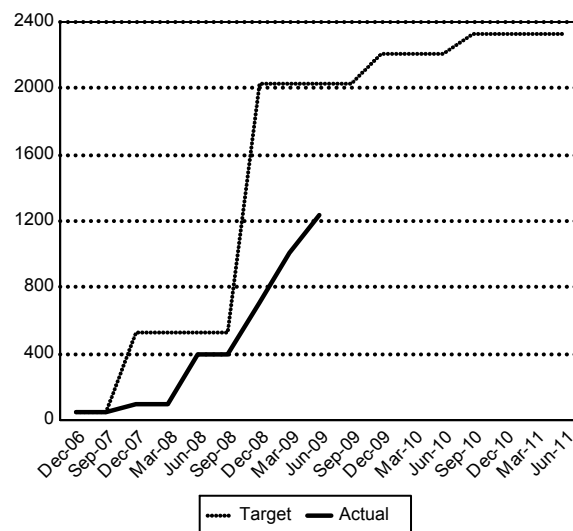
As of 10/7/2009

Number of woodstoves replaced with cleaner burning technologies.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	2,332		
	7th Qtr	2,332		
	6th Qtr	2,332		
	5th Qtr	2,332		
	4th Qtr	2,212		
	3rd Qtr	2,212		
	2nd Qtr	2,212		
	1st Qtr	2,032		
2007-09	8th Qtr	2,032	1,236	(796)
	7th Qtr	2,032	1,011	(1,021)
	6th Qtr	2,032	705	(1,327)
	5th Qtr	532	392	(140)
	4th Qtr	532	392	(140)
	3rd Qtr	532	91	(441)
	2nd Qtr	532	91	(441)
	1st Qtr	50	54	4
2005-07	6th Qtr	50	54	4
<p><i>Includes the number of uncertified woodstoves replaced with cleaner burning technologies funded with state appropriations or funded with federal grant awards made directly to Ecology. Local air agencies may operate separate programs through local funds or separately acquired federal grants that Ecology is not tracking.</i></p> <p><i>Targets adjusted due to emphasis on low-income households (reduces the number of stoves that can be replaced with available funds)</i></p>				

Date Measured: 6/30/2009

Comment: Final Result of fiscal year 2009 state grant program = 844

Refer to narrative justification.



A049 Reduce Nonpoint-Source Water Pollution

Statewide Result Area: Improve the quality of Washington's natural resources

Statewide Strategy: Establish safeguards and standards to protect natural resources

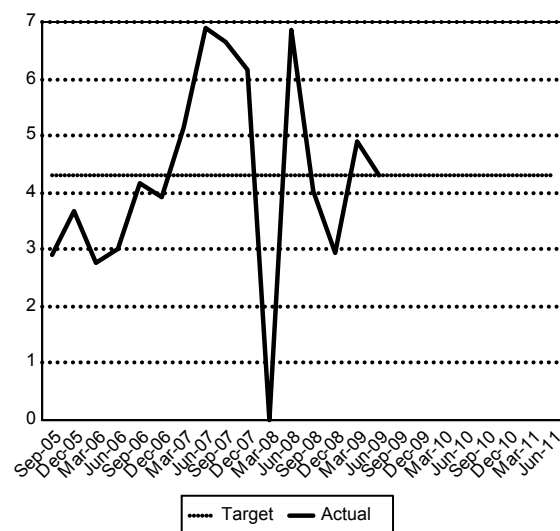
Expected Results

As of 10/7/2009

Protection of surface and groundwater is improved through community implementation of the state's Water Quality Management Plan to Control Nonpoint Pollution and water quality improvement reports. Local communities and groups get help from Ecology to implement water quality improvement reports and other strategies to clean up polluted waters. The Department of Natural Resources and the forestry industry get help to manage 12 million acres of state-owned and privately-owned forests. The Department of Agriculture gets help to manage water quality problems generated by agricultural uses. Best management practices necessary to address non-point pollution problems are implemented. State and federal grants are available to, and used efficiently by, local governments. The number of stream miles restored or protected is increased through work with local communities and other agencies.

Number of bacteria in the Union River (measured as billions of colony forming units per day at Timberline Drive)				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	4.3		
	7th Qtr	4.3		
	6th Qtr	4.3		
	5th Qtr	4.3		
	4th Qtr	4.3		
	3rd Qtr	4.3		
	2nd Qtr	4.3		
	1st Qtr	4.3		
2007-09	8th Qtr	4.3	4.31	0.01
	7th Qtr	4.3	4.89	0.59
	6th Qtr	4.3	2.94	(1.36)
	5th Qtr	4.3	4.01	(0.29)
	4th Qtr	4.3	6.87	2.57
	3rd Qtr	4.3	0	(4.3)
	2nd Qtr	4.3	6.15	1.85
	1st Qtr	4.3	6.64	2.34
2005-07	8th Qtr	4.3	6.88	2.58
	7th Qtr	4.3	5.13	0.83
	6th Qtr	4.3	3.91	(0.39)
	5th Qtr	4.3	4.15	(0.15)
	4th Qtr	4.3	3.02	(1.28)
	3rd Qtr	4.3	2.75	(1.55)
	2nd Qtr	4.3	3.66	(0.64)
	1st Qtr	4.3	2.91	(1.39)
<p><i>This measure is aimed at meeting water quality standards in the Union River to improve the safety of swimming and of eating shellfish from Hood Canal. The target is based on a 44% reduction at the end of the biennium compared to the 2003 baseline. This would result in a measure of 4.3 billion colony forming units per day.</i></p> <p><i>Not sampled in FY08 Quarter 3</i></p>				

Date Measured: 6/30/2009



As of 10/7/2009

Refer to narrative justification.

A050 Reduce Persistent Bioaccumulative Toxins (PBTs) in the Environment

Statewide Result Area: **Improve the quality of Washington's natural resources**

Statewide Strategy: **Establish safeguards and standards to protect natural resources**

Expected Results

Public health and environmental impacts associated with PBTs and other toxic substances are minimized. Strategies are developed and implemented to reduce and eliminate these harmful chemicals. The Lead Chemical Action Plan is implemented. Data is collected for a chemical action plan for poly-aromatic hydrocarbons. 36 million pounds of covered electronics are collected through the E-Cycle Program. Rule making and development of a list of chemicals of high concern for children's products is completed and a mechanism for manufacturer reporting is developed. Generation and use of toxic materials by citizens and industries is reduced by focusing on moderate risk waste (hazardous waste generated from households and small businesses).

Refer to narrative justification.

A051 Reduce Risk from Toxic Air Pollutants

Statewide Result Area: **Improve the quality of Washington's natural resources**

Statewide Strategy: **Establish safeguards and standards to protect natural resources**

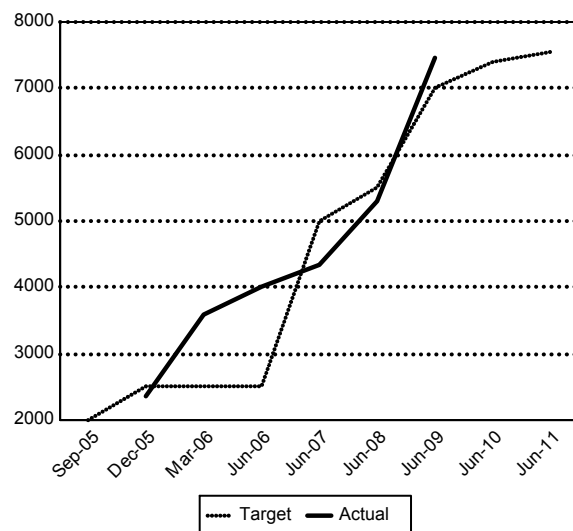
Expected Results

The public health threat from toxic air pollutants is minimized. Less than 60 percent of facility-reported toxics released to the environment (Community Right to Know, Toxics Release Inventory) are air emissions. Emissions of priority toxics are reduced by 50 percent by 2010 (2002 baseline). Diesel soot emissions are reduced by 20 percent by 2010 (2005 baseline). 2,000 additional school buses are equipped with new emission controls by 2009 (7,500 total buses retrofitted). 1,000 additional publicly owned engines are equipped with new emission controls by 2009 (1,800 total engines retrofitted). Emission inventories and understanding of ambient concentrations and sources of priority toxics are improved. Appropriate strategies to reduce emissions of priority toxics are evaluated and started.

As of 10/7/2009

Number of diesel vehicles (school buses and public sector equipment) retrofitted with pollution control equipment.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	7,550		
	4th Qtr	7,400		
2007-09	8th Qtr	7,000	7,447	447
	4th Qtr	5,500	5,307	(193)
2005-07	8th Qtr	5,000	4,346	(654)
	4th Qtr	2,500	4,000	1,500
	3rd Qtr	2,500	3,581	1,081
	2nd Qtr	2,500	2,360	(140)
	1st Qtr	2,000		
Performance measured annually.				

Date Measured: 7/31/2009



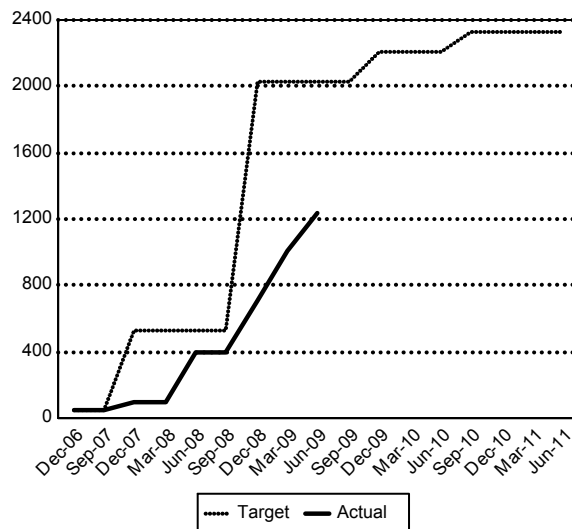
As of 10/7/2009

Number of woodstoves replaced with cleaner burning technologies.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	2,332		
	7th Qtr	2,332		
	6th Qtr	2,332		
	5th Qtr	2,332		
	4th Qtr	2,212		
	3rd Qtr	2,212		
	2nd Qtr	2,212		
	1st Qtr	2,032		
2007-09	8th Qtr	2,032	1,236	(796)
	7th Qtr	2,032	1,011	(1,021)
	6th Qtr	2,032	705	(1,327)
	5th Qtr	532	392	(140)
	4th Qtr	532	392	(140)
	3rd Qtr	532	91	(441)
	2nd Qtr	532	91	(441)
	1st Qtr	50	54	4
2005-07	6th Qtr	50	54	4
<p><i>Includes the number of uncertified woodstoves replaced with cleaner burning technologies funded with state appropriations or funded with federal grant awards made directly to Ecology. Local air agencies may operate separate programs through local funds or separately acquired federal grants that Ecology is not tracking.</i></p> <p><i>Targets adjusted due to emphasis on low-income households (reduces the number of stoves that can be replaced with available funds)</i></p>				

Date Measured: 6/30/2009

Comment: Final Result of fiscal year 2009 state grant program = 844

Refer to narrative justification.



A052 Reduce the Generation of Hazardous Waste and the Use of Toxic Substances through Technical Assistance

Statewide Result Area: Improve the quality of Washington's natural resources
Statewide Strategy: Establish safeguards and standards to protect natural resources

Expected Results

As of 10/7/2009

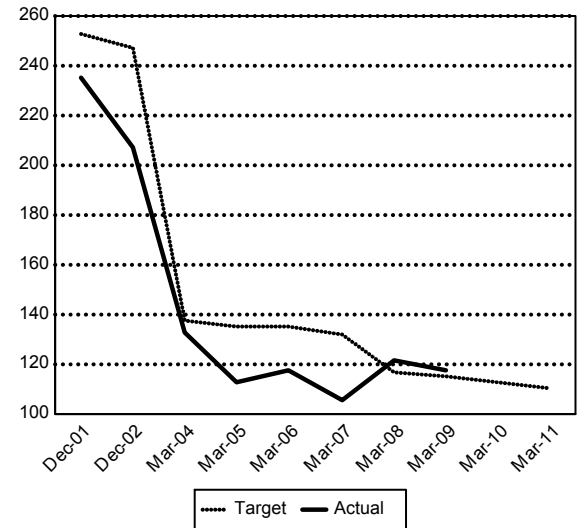
Hazardous waste generation is reduced by two percent each year (approximately 5 million pounds), resulting in clean-up and disposal cost savings for businesses, reduced public exposure, and fewer cleanups. Quantifiable savings in energy; processed water conservation; and reduced hazardous waste at businesses that volunteer for assistance through the Toxics Reduction Engineer Efficiency program. Business sectors that have the highest rate of contamination and non-compliance (electroplaters, printed circuit boards, and aerospace parts manufacturers) received focused assistance and inspections. Progress is made on purchasing environmentally preferable products and services at state and local government agencies. The long-range strategic State Hazardous Waste Management Plan is implemented to reduce or eliminate hazardous substances. The annual Governor's Award for pollution prevention and sustainability practices gets agency support.

Annual pounds of hazardous waste generated (in millions).				
Biennium	Period	Target	Actual	Variance
2009-11	7th Qtr	110.4		
	3rd Qtr	112.7		
2007-09	7th Qtr	115	117.46	2.46
	3rd Qtr	117	121.6	4.6
2005-07	7th Qtr	132	105.3	(26.7)
	3rd Qtr	135	117.3	(17.7)

The somewhat sharp increases and decreases in waste over the last two bieniums is generally caused by large volumes of infrequently generated waste from relatively few generators. The presence of these wastes is becoming more noticeable in this measure as the total amount of reported hazardous waste declines. There is a lag in reporting - last year reported is 2006.

Date Measured: 3/31/2009

Comment: This is the data for 2007



As of 10/7/2009

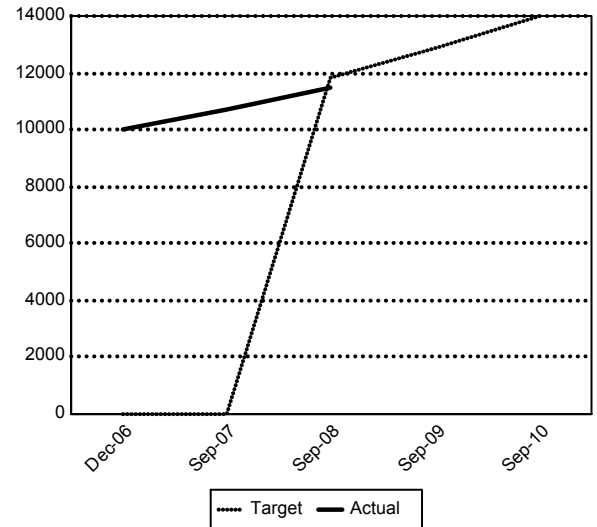
Pounds of mercury collected and/or captured.				
Biennium	Period	Target	Actual	Variance
2009-11	5th Qtr	14,000		
	1st Qtr	12,900		
2007-09	5th Qtr	11,800	11,500	(300)
	1st Qtr	0	10,700	10,700
2005-07	6th Qtr	0	10,000	10,000

The actual amount of mercury collected and/or captured is cumulative beginning with the total amount to date of 10,000 pounds through 2006. The annual collection amount is added to the base of 10,000 pounds. We estimate that an addition 1,100 pounds will be collected and/or captured each year.

Date Measured: 9/30/2008

Comment: Amount collected through 2007

Refer to narrative justification.



A053 Regulate Well Construction

Statewide Result Area: Improve the health of Washingtonians

Statewide Strategy: Mitigate environmental hazards

Expected Results

Public and environmental health and safety is protected. Improved protection of consumers, well drillers, and the environment, including reduced risk of aquifer contamination and cleanup costs. Well drillers get licensing and training services. Well drilling is regulated.

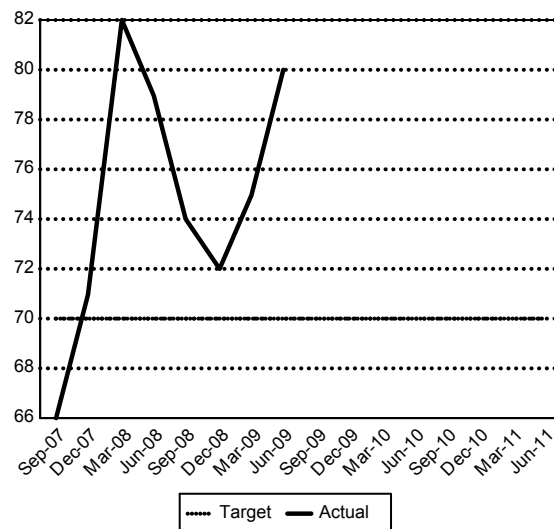
As of 10/7/2009

Percent of water supply wells inspected in delegated counties				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	70%		
	7th Qtr	70%		
	6th Qtr	70%		
	5th Qtr	70%		
	4th Qtr	70%		
	3rd Qtr	70%		
	2nd Qtr	70%		
	1st Qtr	70%		
2007-09	8th Qtr	70%	80%	10%
	7th Qtr	70%	75%	5%
	6th Qtr	70%	72%	2%
	5th Qtr	70%	74%	4%
	4th Qtr	70%	79%	9%
	3rd Qtr	70%	82%	12%
	2nd Qtr	70%	71%	1%
	1st Qtr	70%	66%	(4)%
<p><i>Wells are inspected for health & safety issues - adequate casing, surface seals, etc. Reporting lags one quarter as counties submit their data. Delegated counties: Clark, Jefferson, King, Kitsap, Kittitas, Mason, Pierce, San Juan, Skagit, Skamania, Snohomish, Spokane, Thurston, Whatcom.</i></p> <p><i>Measure changed from an absolute number of inspections in 05-07 to % in 07-09 because we can show the relationship between the # of new wells inspected and # of notices of intent to drill.</i></p>				

Date Measured: 7/28/2009

Comment: Average inspection rate for FY 09 is 75%. Average inspection rate for 07-09 is 75%.

Refer to narrative justification.



A054 Rapidly Respond to and Clean Up Oil and Hazardous Material Spills

Statewide Result Area:

Improve the quality of Washington's natural resources

Statewide Strategy:

Establish safeguards and standards to protect natural resources

Expected Results

As of 10/7/2009

Oil spills, chemical spills and methamphetamine labs are responded to and cleaned up rapidly to protect public health, natural resources and property. Spill response capability is maintained 24 hours/day and seven days/week throughout the state. All oil spills are responded to within 24 hours from the time they are reported. Approximately 3,800 annual spill reports are managed.

Refer to narrative justification.

A055 Restore Public Natural Resources Damaged by Oil Spills

Statewide Result Area: Improve the quality of Washington's natural resources

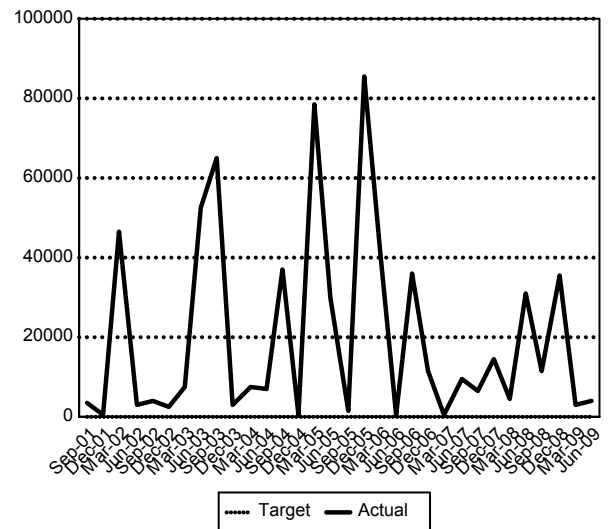
Statewide Strategy: Preserve, maintain and restore natural systems and landscapes

Expected Results

The environmental impacts from oil spills to publicly-owned natural resources are partially mitigated (compensated for) using damage assessment funding. Natural Resource Damage Assessment is done on 100 percent of oil spills where 25 or more gallons reach surface waters. Priority wildlife habitat is restored and protected using natural resource damage funds.

Amount of dollars recovered from persons responsible for oil spill damages.				
Biennium	Period	Target	Actual	Variance
2007-09	8th Qtr	\$0	\$3,934.76	\$3,934.76
	7th Qtr	\$0	\$2,815.56	\$2,815.56
	6th Qtr	\$0	\$35,650.14	\$35,650.14
	5th Qtr	\$0	\$11,587.3	\$11,587.3
	4th Qtr	\$0	\$30,972.73	\$30,972.73
	3rd Qtr	\$0	\$4,461.24	\$4,461.24
	2nd Qtr	\$0	\$14,384	\$14,384
	1st Qtr	\$0	\$6,664	\$6,664
2005-07	8th Qtr	\$0	\$9,524.55	\$9,524.55
	7th Qtr	\$0	\$500.4	\$500.4
	6th Qtr	\$0	\$11,625.48	\$11,625.48
	5th Qtr	\$0	\$36,220.96	\$36,220.96
	4th Qtr	\$0	\$489.98	\$489.98
	3rd Qtr	\$0	\$41,491.16	\$41,491.16
	2nd Qtr	\$0	\$85,414.26	\$85,414.26
	1st Qtr	\$0	\$1,696.39	\$1,696.39
Individuals or companies responsible for spilling oil into statewaters are liable for cleanup costs and resource damages. This measure is based on spills that occur each year. The data does not reflect monies recovered used towards direct restoration projects. The target is set at zero to be consistent with the goal of zero spills.				

Date Measured: 6/30/2009



As of 10/7/2009

Refer to narrative justification.

A056 Restore Watersheds by Supporting Community-Based Projects with the Washington Conservation Corps

Statewide Result Area: Improve the quality of Washington's natural resources

Statewide Strategy: Preserve, maintain and restore natural systems and landscapes

Expected Results

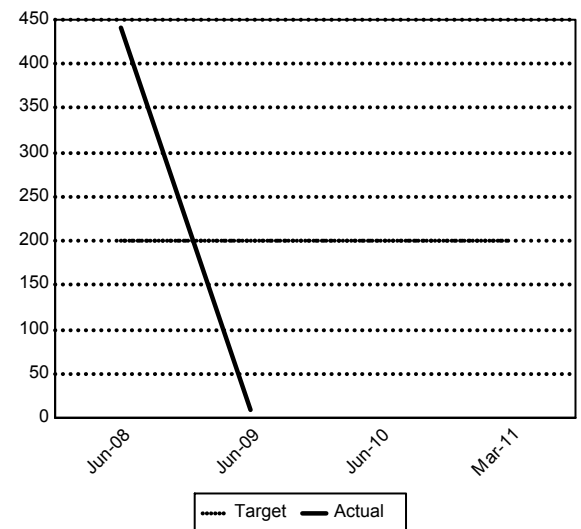
Local communities get help from Washington Conservation Corps crews to carry out conservation and emergency response projects.

Acres of habitat restored by the Washington Conservation Corps.				
Biennium	Period	Target	Actual	Variance
2009-11	7th Qtr	200		
	4th Qtr	200		
2007-09	8th Qtr	200	8.3	(191.7)
	4th Qtr	200	441	241

Target is based on limited field trends. Target is 200 acres per year. Annual measure.

Date Measured: 7/31/2009

Refer to narrative justification.



A057 Services to Site Owners that Volunteer to Clean Up their Contaminated Sites

Statewide Result Area: Improve the quality of Washington's natural resources

Statewide Strategy: Preserve, maintain and restore natural systems and landscapes

Expected Results

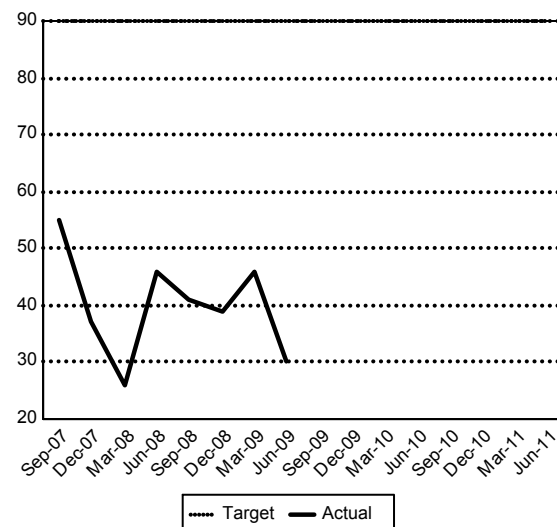
As of 10/7/2009

Contaminated sites are voluntarily cleaned up by site owners and prospective buyers using private funding. Three percent increase in the number of sites cleaned up voluntarily. Increased number of sites with cleanup actions in progress. Decreased response time from the agency to site owners and prospective buyers. Increased number of determinations made on final cleanup reports submitted by parties who voluntarily cleaned up sites.

Average number of days to provide an assessment of a plan or report received from a voluntary cleanup program applicant.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	90		
	7th Qtr	90		
	6th Qtr	90		
	5th Qtr	90		
	4th Qtr	90		
	3rd Qtr	90		
	2nd Qtr	90		
	1st Qtr	90		
2007-09	8th Qtr	90	30	(60)
	7th Qtr	90	46	(44)
	6th Qtr	90	39	(51)
	5th Qtr	90	41	(49)
	4th Qtr	90	46	(44)
	3rd Qtr	90	26	(64)
	2nd Qtr	90	37	(53)
	1st Qtr	90	55	(35)
<p><i>The program has set a goal on how quickly we should respond to primary plans or reports given to us by those voluntarily cleaning up their contaminated site (we want to respond within 90 days at least 90% of the time).</i></p> <p><i>We track the average number of days we take to respond.</i></p> <p><i>Numbers are updated each quarter to include those that took longer than 90 days.</i></p>				

Date Measured: 7/23/2009

Comment: 174 responses, 3 not within 90 days



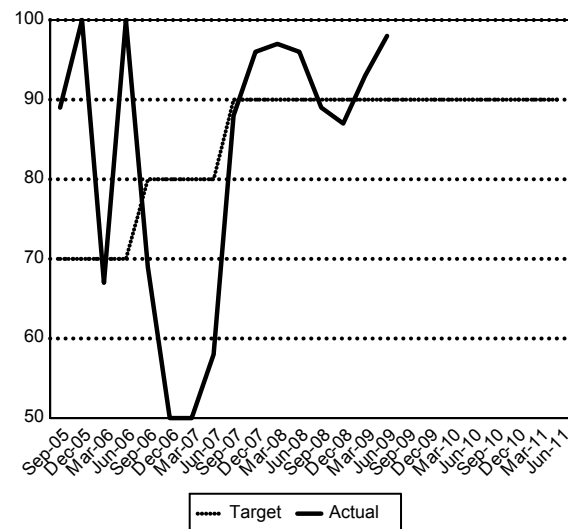
As of 10/7/2009

Percent of the voluntary cleanup program applicants who receive an assessment of their plan or report within 90 days.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	90%		
	7th Qtr	90%		
	6th Qtr	90%		
	5th Qtr	90%		
	4th Qtr	90%		
	3rd Qtr	90%		
	2nd Qtr	90%		
	1st Qtr	90%		
2007-09	8th Qtr	90%	98%	8%
	7th Qtr	90%	93%	3%
	6th Qtr	90%	87%	(3)%
	5th Qtr	90%	89%	(1)%
	4th Qtr	90%	96%	6%
	3rd Qtr	90%	97%	7%
	2nd Qtr	90%	96%	6%
	1st Qtr	90%	88%	(2)%
2005-07	8th Qtr	80%	58%	(22)%
	7th Qtr	80%	50%	(30)%
	6th Qtr	80%	50%	(30)%
	5th Qtr	80%	69%	(11)%
	4th Qtr	70%	100%	30%
	3rd Qtr	70%	67%	(3)%
	2nd Qtr	70%	100%	30%
	1st Qtr	70%	89%	19%
Goal is 90% receive response in less than 90 days				
07-09 Biennium -- this measure has been updated to "Average number of days to provide an assessment of a plan or report received from a voluntary cleanup program applicant."				

Date Measured: 7/23/2009

Comment: 30 days average

Refer to narrative justification.



A058 Provide Streamlined Project Permitting for Transportation Projects

Statewide Result Area: Improve the quality of Washington's natural resources

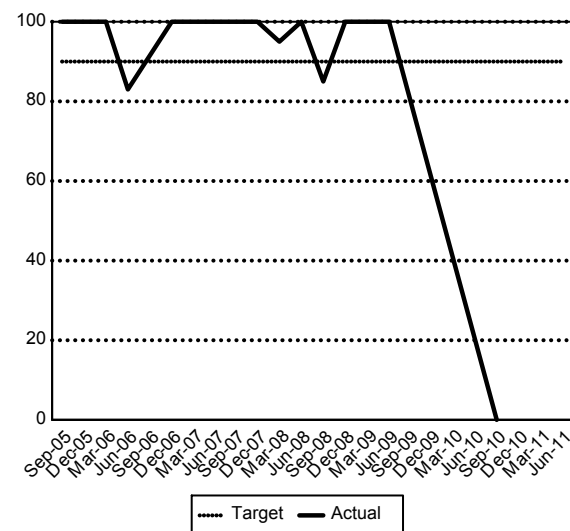
As of 10/7/2009

Statewide Strategy: Preserve, maintain and restore natural systems and landscapes**Expected Results**

State transportation projects meet environmental laws. Washington Department of Transportation gets technical help on reducing impacts and receives timely decisions. Projects achieve compliance with permit conditions.

Percent of reviews and decisions from Ecology's Transportation Team made within agreed upon timeframes for WSDOT's applications, permits, NEPA/SEPA documents, or other environmental documents.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	90%		
	7th Qtr	90%		
	6th Qtr	90%		
	5th Qtr	90%	0%	(90)%
	4th Qtr	90%		
	3rd Qtr	90%		
	2nd Qtr	90%		
	1st Qtr	90%		
2007-09	8th Qtr	90%	100%	10%
	7th Qtr	90%	100%	10%
	6th Qtr	90%	100%	10%
	5th Qtr	90%	85%	(5)%
	4th Qtr	90%	100%	10%
	3rd Qtr	90%	95%	5%
	2nd Qtr	90%	100%	10%
	1st Qtr	90%	100%	10%
2005-07	8th Qtr	90%	100%	10%
	7th Qtr	90%	100%	10%
	6th Qtr	90%	100%	10%
	5th Qtr	90%		
	4th Qtr	90%	83%	(7)%
	3rd Qtr	90%	100%	10%
	2nd Qtr	90%		
	1st Qtr	90%	100%	10%
<p><i>WSDOT funds the Ecology Transportation Liaison Team to provide a team dedicated to WSDOT projects. The team's work enables transportation projects to be built on schedule with the least impacts to the environment. The measure relates to timely reviews and permit decisions.</i></p> <p><i>The target is based on trends.</i></p>				

Date Measured: 10/31/2008



Refer to narrative justification.

As of 10/7/2009

A059 Support Local Watershed Management of Water Resources

Statewide Result Area: Improve the quality of Washington's natural resources
Statewide Strategy: Preserve, maintain and restore natural systems and landscapes

Expected Results

Water is sustained for current and future needs. State local watershed management plans are developed, adopted, and implemented with enough information and agreement to support sound water use and actions. 42 local watershed planning groups get technical support. Regional initiatives for central Puget Sound, Columbia River, Yakima River, Dungeness, Quincy-Odesa, and Spokane Aquifer get technical support.

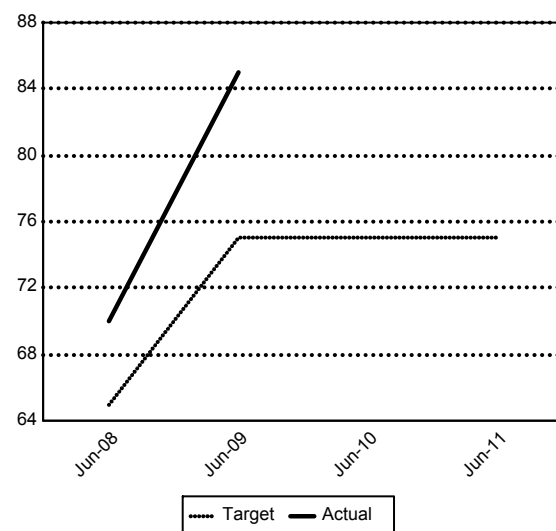
Percent of Watershed Planning Units in Phase 4 - Plan Implementation.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	75%		
	4th Qtr	75%		
2007-09	8th Qtr	75%	85%	10%
	4th Qtr	65%	70%	5%

'Watershed Planning Units' are defined in RCW 90.82. 'Watershed Planning' refers to a local planning process focused on water resources. Plans address water quantity, water quality, instream flows, fish habitat, water storage, and water for future growth. This work is funded by appropriations from the Legislature to Ecology for grants to local planning units. Planning units can address one or more water resource inventory areas (WRIAs). Annual measure.

Date Measured: 7/13/2009

Comment: Base of 34 Planning Units with 29 Planning Units in Phase4; This is not statewide coverage since not all state WRISs have watershed planning units involve in Chapter 90.82 RCW.

Refer to narrative justification.



A060 Provide Regulatory Assistance for Significant Projects and Small Businesses

Statewide Result Area: Improve the economic vitality of businesses and individuals

As of 10/7/2009

Statewide Strategy: Remove economic development barriers through targeted infrastructure and assistance

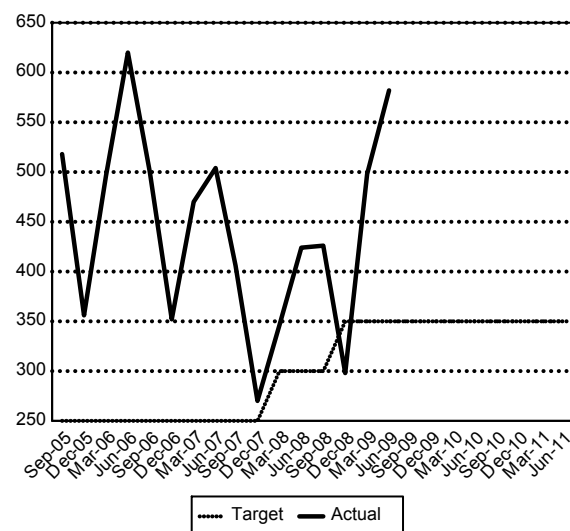
Expected Results

People and businesses who contact the Office of Regulatory Assistance receive permit information. Helpful information is available to applicants on environmental permits such as web-based tools, directories, fact sheets, guidance, and other materials.

Number of applicants and customers provided permit assistance information by the Office of Regulatory Assistance Service Center.				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	350		
	7th Qtr	350		
	6th Qtr	350		
	5th Qtr	350		
	4th Qtr	350		
	3rd Qtr	350		
	2nd Qtr	350		
	1st Qtr	350		
2007-09	8th Qtr	350	583	233
	7th Qtr	350	498	148
	6th Qtr	350	299	(51)
	5th Qtr	300	426	126
	4th Qtr	300	425	125
	3rd Qtr	300	346	46
	2nd Qtr	250	271	21
	1st Qtr	250	407	157
2005-07	8th Qtr	250	505	255
	7th Qtr	250	471	221
	6th Qtr	250	353	103
	5th Qtr	250	500	250
	4th Qtr	250	621	371
	3rd Qtr	250	496	246
	2nd Qtr	250	356	106
	1st Qtr	250	518	268
Targets are based on use trends.				

Date Measured: 7/31/2009

Refer to narrative justification.



A061 Support Water Use Efficiency

Statewide Result Area: Improve the quality of Washington's natural resources

*As of 10/7/2009***Statewide Strategy:** **Achieve sustainable use of public natural resources****Expected Results**

Water is sustained for current and future needs. Increased water, energy, and cost savings to protect the environment, increased business competitiveness and reduced pressure on water supplies and waste treatment facilities. Agricultural, commercial, industrial, and non-profit water users get technical support. Department of Health water conservation and reclaimed water efforts get support from Ecology.

Refer to narrative justification.
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As of 10/7/2009

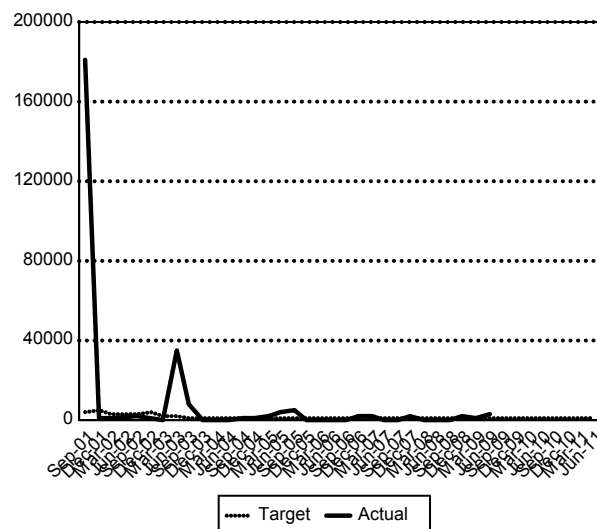
Volume of water saved for instream flow in acre feet				
Biennium	Period	Target	Actual	Variance
2009-11	8th Qtr	1,250		
	7th Qtr	1,250		
	6th Qtr	1,250		
	5th Qtr	1,250		
	4th Qtr	1,250		
	3rd Qtr	1,250		
	2nd Qtr	1,250		
	1st Qtr	1,250		
2007-09	8th Qtr	1,250	2,816.81	1,566.81
	7th Qtr	1,250	605.37	(644.63)
	6th Qtr	1,250	1,530	280
	5th Qtr	1,250	415	(835)
	4th Qtr	1,250	114.28	(1,135.72)
	3rd Qtr	1,250	51	(1,199)
	2nd Qtr	1,250	1,651	401
	1st Qtr	1,250	0	(1,250)
2005-07	8th Qtr	1,250	90.39	(1,159.61)
	7th Qtr	1,250	2,099.67	849.67
	6th Qtr	1,250	2,008.67	758.67
	5th Qtr	1,250	0	(1,250)
	4th Qtr	1,250	9.2	(1,240.8)
	3rd Qtr	1,250	152	(1,098)
	2nd Qtr	1,250	0	(1,250)
	1st Qtr	1,250	5,220	3,970

1 acre-foot of water is the amount of water to cover 1 acre with 1 foot of water.

Instream flow is volume of water in a stream at a specific time measured at a specific place set in rule. Amt saved depends on finding people willing to sell or lease water, donate water to the trust water program or implement water use efficiency measures. If people do not come forward or we can not find them, the volume acquired is small. Eastern WA water is split 1/3 each to instream flow, agriculture & municip.

Date Measured: 7/28/2009

Comment: 2,816.81 AAF for \$651,880-6 purchases & 1 lease. In WRIA 48-Methow, 342AF purchase for ECY share \$27,250; WRIA 39-Upper Yakima: 1 yr lease of 1,269AF irrigat & 258.5 AF ditch for ECY share \$24,937; 5 purchases for 919.71AF for ECY share of \$599,693.



As of 10/7/2009

Statewide Result Area: Improve the quality of Washington's natural resources

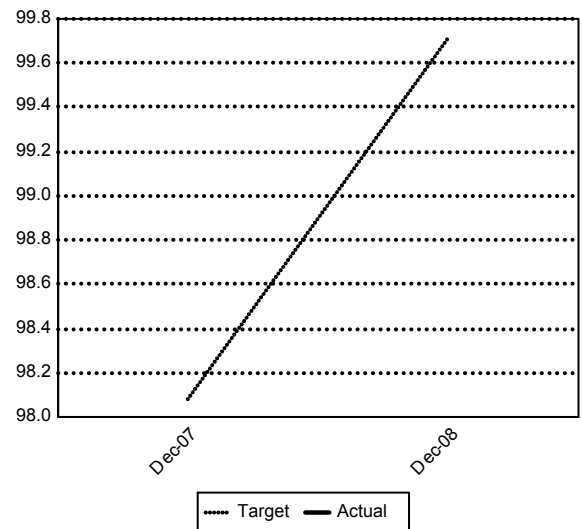
Statewide Strategy: Achieve sustainable use of public natural resources

Expected Results

Through a comprehensive, high-level stakeholder process, recommendations are made to the Governor and the 2008 Legislature that will reduce greenhouse gas emissions. Reductions are sufficient to meet the reduction targets identified in the Washington Climate Change Challenge (Executive Order 07-02) and ESSB 6001. Regulations are completed for governing the greenhouse gases emission performance standard for long-term power supplies in Washington. This includes criteria for evaluating carbon dioxide sequestration proposal. Research and funding is coordinated to get appropriate, focused, and reliable scenario information on the impacts of climate change for planning and preparation. Specific steps are developed to prepare for the impacts of climate change on public health, agriculture, coastal resources, forestry, infrastructure, water quality, and water supply. Climate change impacts to state water resources (such as water supply) are monitored and we are prepared for climate-driven drought preparedness and response actions. Comprehensive, reliable, sector-based inventories of statewide greenhouse gas emissions are produced. The agency is an active participant in the multi-state greenhouse gas emissions registry.

Refer to narrative justification.

Tons of green house gas emissions produced statewide.				
Biennium	Period	Target	Actual	Variance
2007-09	6th Qtr	99.72		
	2nd Qtr	98.08		
Tons of green house gas emissions measured as millions of metric tons of carbon dioxide equivalents.				
Data is not yet available for 2007 emissions. No required GHG emission inventory update before 2010.				



ZZZX Other Statewide Adjustments

Statewide Result Area: Improve the quality of Washington's natural resources

Statewide Strategy: Preserve, maintain and restore natural systems and landscapes

As of 10/7/2009

A064 Manage Solid Waste Safely

Statewide Result Area: **Improve the quality of Washington's natural resources****Statewide Strategy:** **Establish safeguards and standards to protect natural resources****Expected Results**

Disposed solid waste needs to be managed in environmentally compliant facilities. Proper solid waste handling and disposal practices will minimize toxic contamination to the state's groundwater, surface water, and air.

* Technical assistance is provided to jurisdictional health departments to ensure facility compliance with environmental regulations,